

# **NOTICE**

**All drawings located at the end of the document**

# **QUARTERLY REPORT**

**FOR JULY THROUGH SEPTEMBER 1994  
INCLUDING DATA SUMMARY FOR APRIL THROUGH JUNE 1994**

**OPERABLE UNIT #1  
IM/IRA TREATMENT FACILITY**

**PREPARED BY**



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## **SECTION A OPERATIONS SUMMARY**

### **1 0 OPERATIONS SUMMARY INTRODUCTION**

The Operable Unit No 1 (OU 1) water treatment facility located in Building 891 is responsible for treating groundwater collected from the 881 Hillside area. The water is collected in a french drain located on the 881 hillside and pumped to the influent storage tanks located at Building 891 (see Figure 1 0 1). Next the water is treated with an ultraviolet (UV) light/hydrogen peroxide system (for removal of volatile organic compounds) and a four step ion exchange (IX) system (for removal of uranium total dissolved solids hardness alkalinity anions and selected metals). After treatment the water is stored in one of three effluent storage tanks until laboratory sample results verify that the water chemistry meets ARARs and is acceptable for discharge into the South Interceptor Ditch (SID).

This report reflects the Building 891 Treatment Facility operations and data that are critical for determining optimal operating practices. Section A (Operations Summary) of the report deals specifically with day to day operations activities for the July through September period. Section B (Data Summary for April through June 1994) of the report includes specific data for the groundwater wells influent sources and treatment system performance. Validated results are used to evaluate this data.

### **2 0 INFLUENT WATER CHARACTERISTICS**

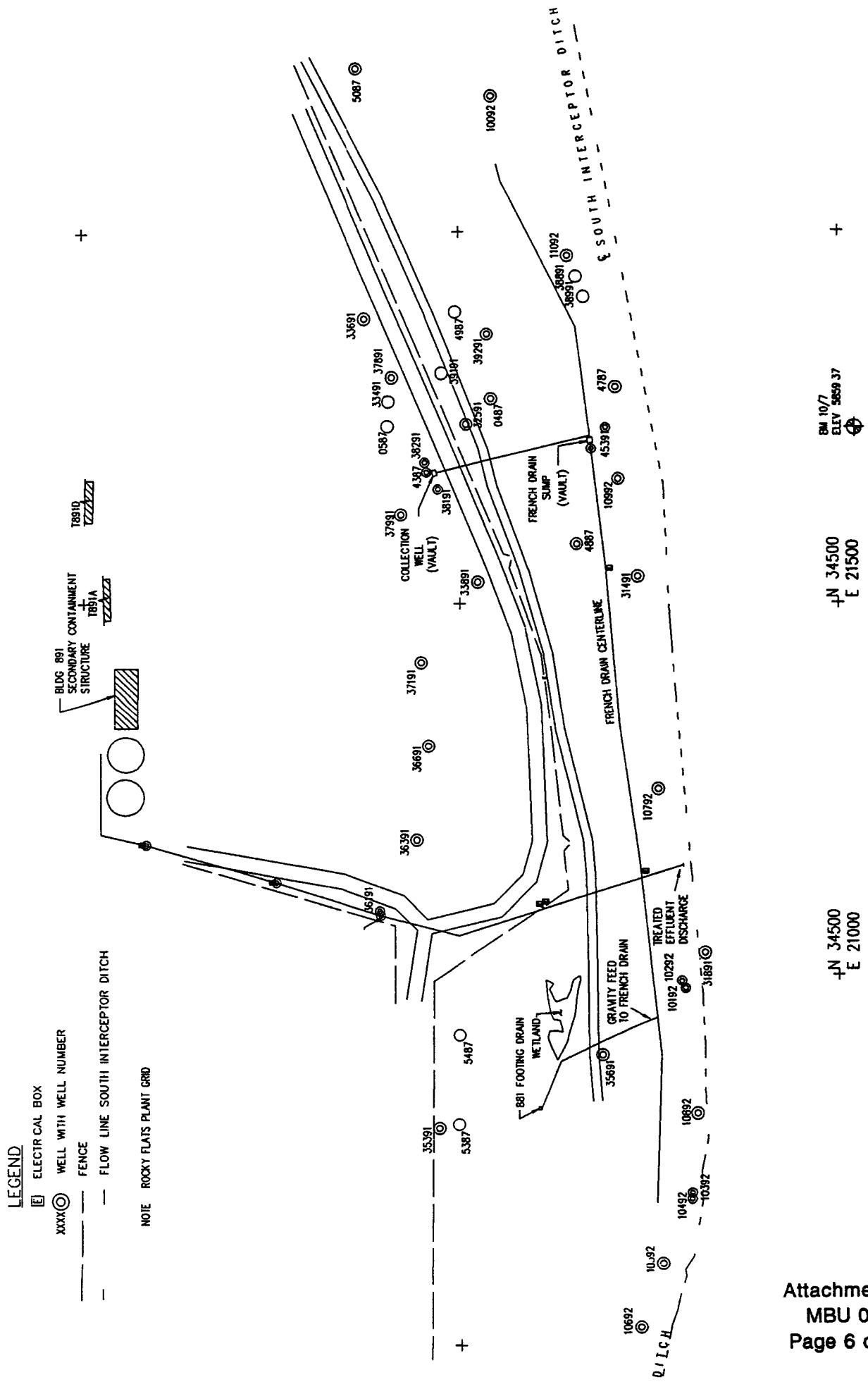
Influent water for the treatment facility comes from three different sources on the 881 Hillside. These sources include the 881 footing drain, the collection well CW001 (located upgradient of the french drain) and groundwater intercepted by the french drain. Water from the 881 footing drain flows by gravity into the french drain, mixes with groundwater and collectively flows by gravity towards the french drain sump (see Figure 2 0 1). Collection well water is pumped directly into the french drain sump and mixed with the groundwater/footing drain water. The combined water is then pumped from the french drain sump into the treatment system influent tanks. Sampling is performed at each of the 881 footing drain collection well and the french drain sump locations for characterization of the influent waters.

### **2 1 INFLUENT FLOW RATES**

Significantly increased quantities of water have been pumped from the collection well since June 1994. Previously the water was only collected when levels reached the 4 to 8 foot range (the 4 foot low level setting resulted in only 75 gallons of water collected and treated per quarter). Currently the well is being manually pumped down to approximately 1 foot in

Figure 201

# 881 HILLSIDE AREA



order to increase the quantity of water extracted from the well and facilitate more effective remediation Utilizing this method it is estimated that 6 600 gallons of water were pumped to the french drain sump during the July through September collection period

A blockage in the culvert that drains into the 881 footing drain vault resulted in water backing up into an 800 area RCRA unit It has been necessary to bypass the drainage culvert (and the weir type flowmeter) and pump water directly into the french drain Flowrates were observed to be minimal (1 - 3 gpm on average) during the past quarter

The magnetic flowmeter influent to the UV/Peroxide system measured 137 356 gallons collected during the period

## **2 2 INFLUENT CONTAMINANTS**

Review of the most recent data (April through June 1994) from the french drain sump indicates no significant change in the levels of contamination present in the groundwater Volatile organics at levels in the 500 - 1000 ppb range were recently detected at the collection well It is expected that these waters should affect the VOC concentrations in the french drain sump sample analysis in future sampling events

## **3 0 TREATMENT FACILITY PERFORMANCE**

The treatment system performance is measured by various criteria Quantity of water treated contamination destruction or removal efficiency waste generation operating costs chemical usage and system reliability These criteria are evaluated individually below In general the system could not be operated at its optimal level due to the low volumes of water treated However the system did operate effectively when adequate water was available Data on these criteria are utilized to modify or adjust the system as necessary for optimal performance An operations database system is presently under development for computerized data entry of all operational information

### **3 1 QUANTITY OF WATER TREATED**

Approximately 138 000 gallons of groundwater were treated at the treatment facility during the past quarter Two effluent tanks (210 000 gallons) of treated effluent were released to the South Interceptor Ditch Approximately 2 600 000 gallons of water have been processed through the system to date

### **3 2 WATER FROM OTHER SOURCES**

No waters from other sources were accepted at the treatment facility during the past reporting period A letter of concurrence was received (late in the quarter) from DOE allowing the

treatment of incidental and purge waters at the 891 Treatment Facility. The acceptance of these waters will be subject to acceptance criteria including limits on certain sample parameters and verification that the water is acceptable.

### 3.3 CHEMICAL USAGE

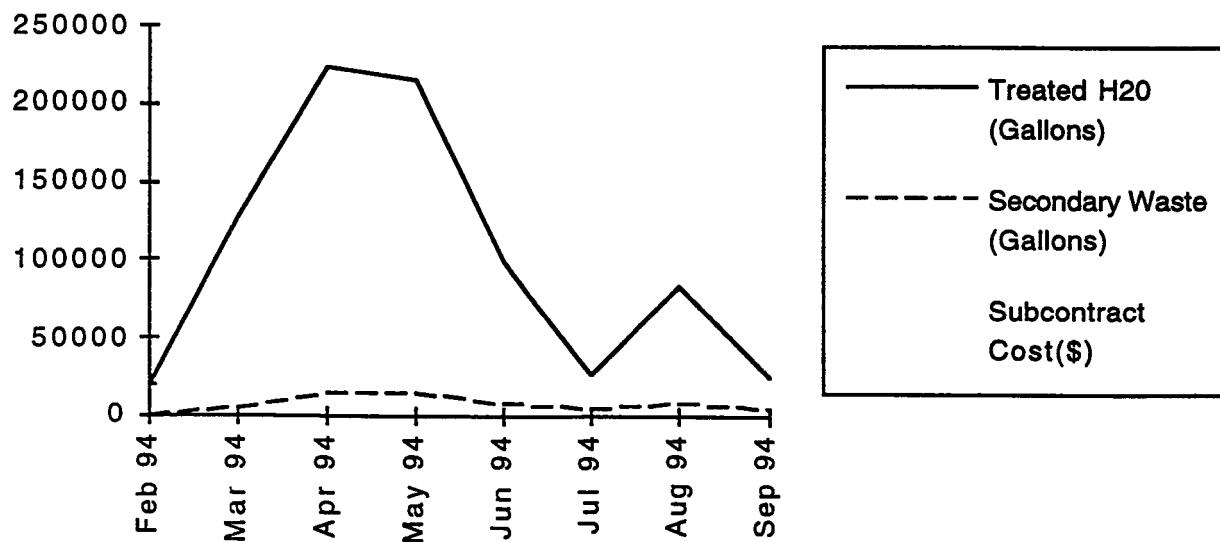
Hydrochloric acid is utilized in the ion exchange system for regeneration of resins in IX#2 (weak acid cation exchanger) and IX#3 (strong acid cation exchanger). The resin in IX#4 (weak base anion exchanger) is regenerated with sodium hydroxide. IX#1 is a strong base anion exchange resin which is not regenerated.

A total of 460 gallons of hydrochloric acid and 265 gallons of sodium hydroxide were used for regeneration and neutralization activities during the July through September 1994 period. Approximately 4 gallons of hydrogen peroxide were used for the UV/Peroxide destruction unit.

### 3.4 WASTE GENERATION

Waste generated at the treatment facility includes sock filters and neutralized regenerant water. One 55 gallon drum of sock filters has been generated in 30 months of operation. Four tanker truck loads of neutralized regenerant water from Tank T 210 (16 000 gallons) were sent to the 374 evaporator for processing this quarter. Figure 3.4.1 compares the quantity of water treated to the amount of secondary waste generated and subcontractor operating costs.

**Building 891 Treated H<sub>2</sub>O vs Secondary Waste  
and Subcontractor Operating Costs**



**FIGURE 3.4.1**

### **3 5 OPERATING COSTS**

Subcontracted operating costs for this quarter totaled approximately \$65 000 These costs include chemical purchases spare parts labor and document preparation which are performed under the current operations and maintenance subcontract Figure 3 4 1 emphasizes the fact that operating costs are fairly consistent and independent of volume of water treated

### **3 6 MAINTENANCE**

The following maintenance was performed during the July through September 1994 operating period

Installed and calibrated new sensor for the 881 footing drain flowmeter

The manufacturer of the UV/Peroxide Organic Destruction Unit performed electrical modifications/upgrades on the system

Completed installation of pulsation dampeners and additional bracing on the acid and caustic regeneration systems

Repaired level detection system in Influent Tank T 202

Repaired leaking peroxide pump

Replaced air compressor for french drain level detection system

The 891 infrastructure replacement was initiated at the end of the reporting period

### **4 0 ENVIRONMENTAL COMPLIANCE/EFFLUENT TANK SAMPLING**

Each effluent tank is sampled and analyzed prior to discharge During the past quarter two effluent tanks were discharged (approximately 210 000 gallons) into the south interceptor ditch All parameters were below ARARs for these tanks

### **5 0 REPORTS AND CORRESPONDENCE**

Letters of concurrence on the acceptance and treatment of incidental and purge waters at the 891 Facility were received from EPA CDH and DOE

A letter was received from EPA allowing the discontinuation of the footing drain to move forward However a letter from CDH had not yet been received by the end of the quarter

## **6 0 ANTICIPATED OPERATIONS FOR NEXT QUARTER**

The Building 891 Infrastructure repair/replacement will be completed during the next quarter

It is expected that approval for discontinuation of the 881 footing drain will be obtained during the next quarter. This will eliminate 90% of the water collected in the french drain system. Efforts will then be focused on preparing the facility for treatment of waters from other sources.

## **7 0 OPERATIONS SUMMARY/CONCLUSIONS**

Approximately 2 600 000 gallons of waters have been treated to date at the treatment facility. Nearly 138 000 gallons of groundwater were treated during the past quarter. An estimated 210 000 gallons of effluent were effectively treated and released from the effluent tanks. As anticipated the lower flow volume summer months allowed for upgrades and maintenance on the system to be performed. These activities included the installation of pulsation dampeners on the acid/caustic regeneration systems upgrades/maintenance on the UV/Peroxide system and the Building 891 infrastructure replacement.

## **SECTION B DATA SUMMARY FOR APRIL THROUGH JUNE 1994**

### **8 0 DATA SUMMARY INTRODUCTION**

This section of the report reflects the Building 891 Treatment Facility operations parameters and associated Operable Unit #1 data. Documentation included covers the time period from April through June 1994. All data has been validated. Data collected are used to determine optimal operating practices at the 891 treatment facility.

### **9 0 GROUNDWATER ANALYSIS**

The French Drain Performance Monitoring Plan (FDPMP) requires data for monitoring french drain performance. The FDPMP requires groundwater level measurements of designated french drain monitoring wells 10092 10192 10292 10392 10492 10592 10692 10792 10892 10992 11092 39991 45391 4887 35691 31491 and 4787. Additionally quarterly water quality sampling of the wells is required. Not all locations are sampled for all parameters due to the small quantities of water generated at most of these locations. A summary of the results is found in Appendix A.

Results of the groundwater analysis indicate similar constituents as in the past. Sulfate total dissolved solids selenium and gross alpha are the only parameters exceeding ARARs. These exceedances are primarily in wells near the western termination of the french drain. Low level volatile detections were found in a few locations but were well below the ARARs established for OU1.

### **9 1 GROUNDWATER ELEVATIONS**

Figure 9 1 1 is a water level map that was constructed from April through June 1994 water level data. Water level grids were constructed from these data using a 50 foot grid spacing. The existing bedrock grid for OU1 was then subtracted from the respective water level grid to obtain a saturated thickness grid. Areas within these saturated thickness grids that were negative were considered to be unsaturated. In these areas the calculated water level grid extended below the bedrock surface. The saturated thickness grids were then edited to match known areas within OU1 that contain dry wells. These edited saturated thickness grids were then added to the bedrock grid to obtain a new water level grid for each quarter. This water level grid is the basis for the presented map.

The map presents the configuration of water levels at the Operable Unit 1 (881 Hillside) from July through September 1994. Examination of the current map compared to those of previous quarters indicates that large areas of the 881 Hillside continue to appear unsaturated.

## 10 0 INFLUENT CHARACTERIZATION

Influent water for the treatment facility comes from three different sources on the 881 Hillside. These sources include the 881 footing drain, the collection well CW001 (located upgradient of the french drain) and groundwater intercepted by the french drain. Water from the 881 footing drain flows by gravity into the french drain mixes with groundwater and collectively flows by gravity towards the french drain sump. Collection well water is pumped directly into the french drain sump and mixed with the groundwater/footing drain water. The combined water is then pumped from the french drain sump into the treatment system influent tanks. Sampling is performed at each of the 881 footing drain recovery well and the french drain sump for characterization of the influent waters.

Appendix B illustrates the analytical results for April through June 1994 at the French Drain Sump 881 Footing Drain Collection Well and UV Influent (metals) respectively. Most parameters were found to be below ARAR with the exception of the Total Dissolved Solids which remain above the ARAR of 400 mg/l for all locations. Detections of tetrachloroethene at levels of 6 ppb or less were found in the footing drain samples and consequently in somewhat lower levels in the french drain sump samples.

Samples taken from the collection well in June 1994 verify that there has been an increase in the levels of volatile organics detected in this area. Previous sample results at this location demonstrated results under 20 ppb for trichloroethene and tetrachloroethene. Reasons for the increase in detected volatiles may include a build up of contamination during the period of non collection, the migration of contamination into the area of the well's influence, a larger area of influence due to increased quantities of water removed from the well or that the previously utilized bubbler type level detection system adversely influenced the results. Volatiles detected in this set of data included the following:

1,1,1 Trichloroethane	6 ppb
1,1 Dichloroethene	17 ppb
Tetrachloroethane	89 ppb
Trichloroethene	880 ppb
Carbon Tetrachloride	4 ppb

Other compounds were also detected in this sample however it is believed that these compounds are contributed by the PVC cement that was used to perform the collection well repair in June 1994.

## **11 0 CONTAMINATION DESTRUCTION/UV SYSTEM AND ION EXCHANGE SYSTEM EFFICIENCY SAMPLING**

The primary purpose of sampling inside Building 891 is to determine the efficiency of the system in the removal of target contaminants (uranium metals anions VOCs) No significant variations in radiochemistry water quality or metals are found in any influent waters sampled

### **11 1 IX#1 PERFORMANCE**

IX#1 contains a strong base anion exchange resin which serves to remove uranium from the groundwater Influent water contains uranium in the form of a carbonate complex (negatively charged) This ion loads on the strong base resin located in the first ion exchange column thus removing uranium from the water Unlike the other resins in the system this resin is not regenerated Influent and effluent results for IX#1 are shown in Table 11 1 1 These results are consistent with previous samples taken at this location Influent uranium activity levels continue to remain below 10 pCi/l A 99 / reduction in the uranium activity level is routinely achieved

### **11 2 IX#2 PERFORMANCE**

The IX#2 resin is a weak acid cation exchange resin The primary function of the resin is to remove hardness associated with alkalinity (calcium and magnesium) Since these parameters are not of special interest (no ARARs) samples are not taken to determine the efficiency of this column However based on influent vs effluent data this column is adequately reducing the levels of calcium and magnesium for further treatment in IX#3

### **11 3 IX#3 PERFORMANCE**

The IX#3 resin is a strong acid cation exchanger The primary function of this column is to remove metals from the water Sample results obtained from the effluent of IX#2 and IX#3 (Refer to Tables 11 3 1 11 3 5) provide valuable information about the performance of this resin

Metals samples are consistent with those of previous reporting periods A high percentage (90 / ) of removal can be established for magnesium sodium calcium potassium and strontium with the support of the April through June results The lack of other metals in the influent does not facilitate comparison of influent and effluent results for the remaining parameters The evidence provided by this data does support the observation that the resins remain in good condition and continue to perform adequately in removing metals from the water

TABLE 1111

IX1 Performance April June 1994

## 891 IX1 Influent Rads April June 1994

Sample Number	Sample Date	Isotope	Result	Unit Meas	Error	Qual	Vqual	ARAR	# SAM > ARAR
<b>FT10215RG</b>									
	20 Apr 94	URANIUM 233	234	4 PC/L	0.7	V			
		URANIUM 235		0.13 PC/L	0.1	U	V		
		URANIUM 238		2.9 PC/L	0.57	V			
		TOTAL URANIUM	7.03		1.37			40	0
<b>FT10243RG</b>									
	10 May 94	AMERICIUM 241		0.005 PC/L	0.004	J	Y	4	0
		PLUTONIUM 239/240		0.001 PC/L	0.001	U	Y	15	0
<b>FT10262RG</b>									
	8 Jun 94	URANIUM 233	234	3.8 PC/L	0.58	Y			
		URANIUM 235		0.14 PC/L	0.12	U	Y		
		URANIUM 238		2.9 PC/L	0.49	V	Y		
		TOTAL URANIUM	6.84		1.19			40	0
<b>891 IX1 Effluent Rads April June 1994</b>									
<b>FT10216RG</b>									
	20 Apr 94	URANIUM 233	234	0.023 PC/L	0.092	U	V		
		URANIUM 235		0.028 PC/L	0.056	U	V		
		URANIUM 238		0.023 PC/L	0.046	U	V		
		TOTAL URANIUM	0.074		0.194			40	0
		Percent Removal Total U		99.99					
<b>FT10244RG</b>									
	10 May 94	AMERICIUM 241		0.001 PC/L	0.003	U	Y	4	0
		PLUTONIUM 239/240		0.001 PC/L	0.001	U	Y	15	0
<b>FT10263RG</b>									
	8 Jun 94	URANIUM 233	234	0.018 PC/L	0.073	U	Y		
		URANIUM 235		0 PC/L	0.044	U	Y		
		URANIUM 238		0.055 PC/L	0.073	U	Y		
		TOTAL URANIUM	0.073		0.19			40	0
		Percent Removal Total U		99.99					

TABLE 113.1

IX2 Effl t M tal April J 1994

Smpl N mb	Smpl D t	El m t	Res lt	U h M as	Qual	Vq al	ARAR	# SAM > ARAR
FT10217RG	20-Apr 94	ALUMINUM	25.6 UG/L	U	JA	5000	0	
		ANTIMONY	14 UG/L	U	V	60	0	
		ARSENIC	1.3 UG/L	B	V	50	0	
		BARIUM	1.7 UG/L	U	JA	1000	0	
		BERYLLIUM	1 UG/L	U	V	100	0	
		CADMIUM	3 UG/L	U	V	10	0	
		CALCIUM	12700 UG/L		V			
		CESIUM	63 UG/L	U	V			
		CHROMIUM	3.4 UG/L	U	JA	50	0	
		COBALT	2 UG/L	U	V			
		COPPER	2.4 UG/L	U	JA	200	0	
		IRON	20.4 UG/L	U	JA	300	0	
		LEAD	1 UG/L	U	V	50	0	
		LITHIUM	12.5 UG/L	B	V	2500	0	
		MAGNESIUM	14000 UG/L		V			
		MANGANESE	1 UG/L	U	V	50	0	
		MERCURY	0.2 UG/L	U	V	2	0	
		MOLYBDENUM	4.3 UG/L	U	JA	100	0	
		NICKEL	6 UG/L	U	V	200	0	
		POTASSIUM	3280 UG/L	B	V			
		SELENIUM	4.9 UG/L	B	V	10	0	
		SILICON	5810 UG/L		V			
		SILVER	2 UG/L	U	V	50	0	
		SODIUM	49400 UG/L		V			
		STRONTIUM	212 UG/L		V			
		THALLIUM	1 UG/L	U	V	10	0	
		TIN	10 UG/L	U	V			
		VANADIUM	3.3 UG/L	U	JA	100	0	
		ZINC	10.6 UG/L	U	JA	2000	0	
FT10264RG	8 Ju 94	ALUMINUM	16.6 UG/L	U	JA	5000	0	
		ANTIMONY	14 UG/L	U	V	60	0	
		ARSENIC	2.6 UG/L	B	V	50	0	
		BARIUM	43.1 UG/L	B	V	1000	0	
		BERYLLIUM	1 UG/L	U	V	100	0	
		CADMIUM	21.6 UG/L		JA	10	1	
		CALCIUM	26300 UG/L		V			
		CESIUM	63 UG/L	U	V			
		CHROMIUM	4.3 UG/L	U	JA	50	0	
		COBALT	2 UG/L	U	V			
		COPPER	1 UG/L	U	R	200	0	
		IRON	33.6 UG/L	U	JA	300	0	
		LEAD	1 UG/L	U	V	50	0	
		LITHIUM	11.5 UG/L	B	V	2500	0	
		MAGNESIUM	13300 UG/L		V			
		MANGANESE	1.5 UG/L	B	V	50	0	
		MERCURY	0.2 UG/L	U	V	2	0	
		MOLYBDENUM	3.8 UG/L	U	JA	100	0	
		NICKEL	6.4 UG/L	B	V	200	0	
		POTASSIUM	2330 UG/L	U	JA			
		SELENIUM	5.1 UG/L		V	10	0	
		SILICON	5750 UG/L		V			
		SILVER	2 UG/L	U	V	50	0	
		SODIUM	49000 UG/L		V			
		STRONTIUM	171 UG/L	B	V			
		THALLIUM	2 UG/L	U	V	10	0	
		TIN	10 UG/L	U	V			
		VANADIUM	3.2 UG/L	U	JA	100	0	
		ZINC	10.6 UG/L	U	JA	2000	0	

TABLE 1132

IX2 Efflu nt Wate Quality April June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10217RG	20-Apr 94	TOTAL DISSOLVED SOLIDS	270	MG/L		V	400	0
FT10245RG	10-May 94	CHLORIDE	120	MG/L		V	250	0
FT10245RG	10-May 94	FLUORIDE	1	MG/L		V		
FT10245RG	10-May 94	SULFATE	48	MG/L		V	250	0
FT10245RG	10-May 94	TOTAL DISSOLVED SOLIDS	280	MG/L		V	400	0
FT10245RG	10-May 94	TOTAL SUSPENDED SOLIDS	4	MG/L	U	V		
FT10264RG	8-Jun 94	TOTAL DISSOLVED SOLIDS	340	MG/L		V	400	0

TABLE 1133

891 IX3 Effluent Metals April June 1994

Sample Number	Sample Date	Element	Result	Unit Meas	Qual	Vqual	ARAR	SAM > ARAR
FT10218RG	20-Apr 94	ALUMINUM	21 54	UG/L	B	Z	5000	0
		ANTIMONY	14	UG/L	U	Z	60	0
		ARSENIC	1 3	UG/L	B	Z	50	0
		BARIUM	1	UG/L	U	Z	1000	0
		BERYLLIUM	1	UG/L	U	Z	100	0
		CADMIUM	3	UG/L	U	Z	10	0
		CALCIUM	374 26	UG/L	B	Z		
		CESIUM	63	UG/L	U	Z		
		CHROMIUM	4 08	UG/L	B	Z	50	0
		COBALT	2	UG/L	U	Z		
		COPPER	1 83	UG/L	B	Z	200	0
		IRON	20 36	UG/L	B	Z	300	0
		LEAD	1	UG/L	U	Z	50	0
		LITHIUM	9 45	UG/L	B	Z	2500	0
		MAGNESIUM	83 83	UG/L	B	Z		
		MANGANESE	1	UG/L	U	Z	50	0
		MERCURY	0 2	UG/L	U	Z	2	0
		MOLYBDENUM	4 33	UG/L	B	Z	100	0
		NICKEL	6	UG/L	U	Z	200	0
		POTASSIUM	621 42	UG/L	B	Z		
		SELENIUM	4 7	UG/L	B	Z	10	0
		SILICON	5911 82	UG/L		Z		
		SILVER	2	UG/L	U	Z	50	0
		SODIUM	820 69	UG/L	B	Z		
		STRONTIUM	2 91	UG/L	B	Z		
		THALLIUM	1	UG/L	U	Z	10	0
		TIN	10	UG/L	U	Z		
		VANADIUM	2	UG/L	U	Z	100	0
		ZINC	9 77	UG/L	B	Z	2000	0
FT10218RG	20-Apr 94	ALUMINUM	18 2	UG/L	U	JA	5000	0
		ANTIMONY	14	UG/L	U	V	60	0
		ARSENIC	1 6	UG/L	B	V	50	0
		BARIUM	1	UG/L	U	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMIUM	3	UG/L	U	V	10	0
		CALCIUM	382	UG/L	B	V		
		CESIUM	63	UG/L	U	V		
		CHROMIUM	3 4	UG/L	U	JA	50	0
		COBALT	2	UG/L	U	V		
		COPPER	1 6	UG/L	U	JA	200	0
		IRON	20 6	UG/L	U	JA	300	0
		LEAD	1	UG/L	U	V	50	0
		LITHIUM	9	UG/L	B	V	2500	0
		MAGNESIUM	101	UG/L	U	JA		
		MANGANESE	1	UG/L	U	V	50	0
		MERCURY	0 2	UG/L	U	V	2	0
		MOLYBDENUM	4 3	UG/L	U	JA	100	0
		NICKEL	6	UG/L	U	V	200	0
		POTASSIUM	560	UG/L	U	JA		
		SELENIUM	3 5	UG/L	B	V	10	0
		SILICON	5880	UG/L		V		
		SILVER	2	UG/L	U	V	50	0

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TABLE 1134

891 IX3 Effluent Metals April June 1994

Sample Number	Sample Date	Element	Result	Unit Meas	Qual	Vqual	ARAR	SAM > ARAR
FT10218RG	20-Apr 94	SODIUM	821	UG/L	B	V		
		STRONTIUM	2 8	UG/L	B	V		
		THALLIUM	1	UG/L	U	V	10	0
		TIN	10	UG/L	U	V		
		VANADIUM	2	UG/L	U	V	100	0
		ZINC	15 2	UG/L	U	JA	2000	0
FT10246RG	10-May 94	ALUMINUM	22 7	UG/L	B	Y	5000	0
		ANTIMONY	22 6	UG/L	B	Y	60	0
		ARSENIC	1 1	UG/L	B	Y	50	0
		BARIUM	1	UG/L	U	Y	1000	0
		BERYLLIUM	1	UG/L	U	Y	100	0
		CADMUM	3	UG/L	U	Y	10	0
		CALCIUM	78 3	UG/L	B	Y		
		CESIUM	63	UG/L	U	Y		
		CHROMIUM	5 5	UG/L	B	Y	50	0
		COBALT	2	UG/L	U	Y		
		COPPER	1	UG/L	U	Y	200	0
		IRON	29	UG/L	B	Y	300	0
		LEAD	1	UG/L	U	Y	50	0
		LITHIUM	19 8	UG/L	B	Y	2500	0
		MAGNESIUM	26 6	UG/L	B	Y		
		MANGANESE	1	UG/L	U	Y	50	0
		MERCURY	0 2	UG/L	U	Y	2	0
		MOLYBDENUM	3	UG/L	U	Y	100	0
		NICKEL	6	UG/L	U	Y	200	0
		POTASSIUM	389	UG/L	B	Y		
		SELENIUM	3 3	UG/L	B+	Y	10	0
		SILICON	5980	UG/L		Y		
		SILVER	2 1	UG/L	B	Y	50	0
		SODIUM	17500	UG/L		Y		
		STRONTIUM	1	UG/L	U	Y		
		THALLIUM	2	UG/L	UWN	Y	10	0
		TIN	10	UG/L	U	Y		
		VANADIUM	2	UG/L	U	Y	100	0
		ZINC	5 2	UG/L	B	Y	2000	0
FT10265RG	8-Jun 94	ALUMINUM	23 4	UG/L	U	JA	5000	0
		ANTIMONY	14	UG/L	U	V	60	0
		ARSENIC	2 5	UG/L	B	V	50	0
		BARIUM	1	UG/L	U	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMUM	3	UG/L	U	JA	10	0
		CALCIUM	97 2	UG/L	B	V		
		CESIUM	63	UG/L	U	V		
		CHROMIUM	4 8	UG/L	U	JA	50	0
		COBALT	2	UG/L	U	V		
		COPPER	1 8	UG/L	U	JA	200	0
		IRON	60 2	UG/L	B	V	300	0
		LEAD	1	UG/L	UW	V	50	0
		LITHIUM	3	UG/L	B	V	2500	0
		MAGNESIUM	23	UG/L	U	JA		
		MANGANESE	1 1	UG/L	B	V	50	0

TABLE 1135

891 IX3 Effluent Metals April June 1994

Sample Number	Sample Date	Element	Result	Unit Meas	Qual	Vqual	ARAR	SAM > ARAR
FT10265RG	8 Jun-94	MERCURY	0.2	UG/L	U	V	2	0
		MOLYBDENUM	5.5	UG/L	U	JA	100	0
		NICKEL	6	UG/L	U	V	200	0
		POTASSIUM	543	UG/L	U	JA		
		SELENIUM	4.1	UG/L	B	V	10	0
		SILICON	6130	UG/L		V		
		SILVER	2	UG/L	U	V	50	0
		SODIUM	2210	UG/L	B	V		
		STRONTIUM	1	UG/L	U	V		
		THALLIUM	2	UG/L	U	V	10	0
		TIN	10	UG/L	U	V		
		VANADIUM	2	UG/L	U	V	100	0
		ZINC	15.2	UG/L	U	JA	2000	0

#### **11 4 IX#4 PERFORMANCE**

The IX#4 resin is a weak base anion exchange resin. The primary function of this resin is to remove anions (such as chloride sulfate nitrate/nitrite etc.) from the water. Removal efficiency sampling (Refer to Table 11 4 1 and 11 4 2) indicates that good removal of chloride (75 99 /) sulfate (95 /) nitrate/nitrite (86 99 /) TDS (60 93 /) continues in the system.

#### **11 5 UV/PEROXIDE SYSTEM**

Tables 11 5 1 - 11 5 8 describe the UV system influent and UV system effluent data. Insufficient contaminants were found in the influent samples to evaluate the performance of the system. It was observed that acetone detections were identified in the UV effluent samples. Further review of this data is being conducted to determine if the system is producing unanticipated by products or if lab contaminants may have been introduced.

#### **12 0 SUMMARY**

Datum presented in this report supports the idea that the treatment facility continues to perform as expected. Ion exchange resins seem to demonstrate highly effective removal of targeted parameters. Replacement of these resins does not appear to be necessary in the near future.

TABLE 114.1

891 IX3 Effluent Water Quality April June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10218RG	20 Apr 94	CHLORIDE	120	MG/L	v	v	250	0
		FLUORIDE	0.9	MG/L	v	v	10	0
		NITRATE/NITRITE	5	MG/L	v	v	250	0
		SULFATE	41	MG/L	v	v	400	0
		TOTAL DISSOLVED SOLIDS	30	MG/L	U	v		
		TOTAL SUSPENDED SOLIDS	4	MG/L	U	v		
FT10246RG	10 May 94	CHLORIDE	120	MG/L	v	y	250	0
		FLUORIDE	1.1	MG/L	y	y	10	0
		NITRATE/NITRITE	5.8	MG/L	y	y	250	0
		SULFATE	47	MG/L	y	y	400	0
		TOTAL DISSOLVED SOLIDS	170	MG/L	U	y		
		TOTAL SUSPENDED SOLIDS	4	MG/L	U	v		
FT10265RG	8 Jun 94	CHLORIDE	110	MG/L	v	v	250	0
		FLUORIDE	1	MG/L	v	v	10	0
		NITRATE/NITRITE	6	MG/L	v	v	250	0
		SULFATE	42	MG/L	v	v	400	0
		TOTAL DISSOLVED SOLIDS	240	MG/L	U	v		
		TOTAL SUSPENDED SOLIDS	4	MG/L	U	v		

TABLE 1142

891 IX4 Effluent Water Quality April June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10219RG	20 Apr 94	BICARBONATE AS CACO <sub>3</sub>	2 MG/L		Z			
		BICARBONATE AS CACO <sub>3</sub>	10 MG/L		Z			
		CARBONATE AS CACO <sub>3</sub>	4 MG/L		Z			
		CARBONATE AS CACO <sub>3</sub>	1 MG/L		U	Z		
		FLUORIDE	0.1 MG/L		U	Z		
FT10219RG	20 Apr 94	BICARBONATE AS CACO <sub>3</sub>	4 MG/L		V	V		
		CARBONATE AS CACO <sub>3</sub>	4 MG/L		V	V		
		CHLORIDE	0.6 MG/L		U	U	250	0
		FLUORIDE	0.1 MG/L		U	U	10	0
		NITRATE/NITRITE	0.02 MG/L		U	U	250	0
		SULFATE	2 MG/L		U	U	400	0
		TOTAL DISSOLVED SOLIDS	10 MG/L		U	U		
		TOTAL SUSPENDED SOLIDS	4 MG/L		U	U		
FT10247RG	10 May 94	BICARBONATE AS CACO <sub>3</sub>	22 MG/L		Y	Y		
		CARBONATE AS CACO <sub>3</sub>	1 MG/L		U	Y		
		CHLORIDE	32 MG/L		U	Y	250	0
		FLUORIDE	1.4 MG/L		U	Y	10	0
		NITRATE/NITRITE	0.8 MG/L		U	Y	250	0
		SULFATE	2 MG/L		U	Y	400	0
		TOTAL DISSOLVED SOLIDS	71 MG/L		U	Y		
		TOTAL SUSPENDED SOLIDS	4 MG/L		U	Y		
FT10266RG	8 Jun 94	BICARBONATE AS CACO <sub>3</sub>	16 MG/L		V	V		
		CARBONATE AS CACO <sub>3</sub>	1 MG/L		U	V		
		CHLORIDE	0.7 MG/L		U	V	250	0
		FLUORIDE	0.1 MG/L		U	V	10	0
		NITRATE/NITRITE	0.02 MG/L		U	V	250	0
		SULFATE	2 MG/L		U	V	400	0
		TOTAL DISSOLVED SOLIDS	17 MG/L		U	V		
		TOTAL SUSPENDED SOLIDS	4 MG/L		U	V		

TABLE 1151

891 UV P rf rm		April J 1994	UV I fluent	R suit	Unit M	Qu I	Vqual	ARAR	# SAM > ARAR
Smpl N mb	Smpl D t	C mpound							
FT10213RG	20-Apr 94	1 1 1 TRICHLOROETHANE		5 UG/L	U	V	200	0	
		1 1,2,2 TETRACHLOROETHANE		5 UG/L	U	V			
		1 1 2 TRICHLOROETHANE		5 UG/L	U	V			
		1 1 DICHLOROETHANE		5 UG/L	U	V	5	0	
		1 1 DICHLOROETHENE		5 UG/L	U	V	7	0	
		1 2 DICHLOROETHANE -D4		112 %REC		Z			
		1 2 DICHLOROETHANE		5 UG/L	U	V	5	0	
		1 2 DICHLOROETHENE		5 UG/L	U	V			
		1 2 DICHLOROPROPANE		5 UG/L	U	V			
		2 BUTANONE		10 UG/L	U	R			
		2-HEXANONE		10 UG/L	U	V			
		4-METHYL 2 PENTANONE		10 UG/L	U	V			
		ACETONE		10 UG/L	U	V			
		BENZENE		5 UG/L	U	V			
		BROMODICHLOROMETHANE		5 UG/L	U	V			
		BROMOFLUOROBENZENE		99 %REC		Z			
		BROMOFORM		5 UG/L	U	V			
		BROMOMETHANE		10 UG/L	U	V			
		CARBON DISULFIDE		5 UG/L	U	V			
		CARBON TETRACHLORIDE		5 UG/L	U	V	5	0	
		CHLOROBENZENE		5 UG/L	U	V			
		CHLOROETHANE		10 UG/L	U	V			
		CHLOROFORM		5 UG/L	U	V			
		CHLOROMETHANE		10 UG/L	U	V			
		DIBROMOCHLOROMETHANE		5 UG/L	U	V			
		ETHYLBENZENE		5 UG/L	U	V			
		METHYLENE CHLORIDE		5 UG/L	U	V			
		STYRENE		5 UG/L	U	V			
		TETRACHLOROETHENE		2 UG/L	J	A	5	0	
		TOLUENE		5 UG/L	U	V	2000	0	
		TOLUENE D8		110 %REC		Z			
		TOTAL XYLENES		5 UG/L	U	V			
		TRICHLOROETHENE		1 UG/L	J	A	5	0	
		VINYL ACETATE		10 UG/L	U	V			
		VINYL CHLORIDE		10 UG/L	U	V			
		cis-1 3-DICHLOROPROPENE		5 UG/L	U	V			
		trans-1 3-DICHLOROPROPENE		5 UG/L	U	V			
FT10212RG	20-Apr 94	1 1 1 TRICHLOROETHANE		5 UG/L	U	V	200	0	
		1 1 2 2 TETRACHLOROETHANE		5 UG/L	U	V			
		1 1 2 TRICHLOROETHANE		5 UG/L	U	V			
		1 1 DICHLOROETHANE		5 UG/L	U	V	5	0	
		1 1 DICHLOROETHENE		5 UG/L	U	V	7	0	
		1 2 DICHLOROETHANE D4		108 %REC		Z			
		1 2-DICHLOROETHANE		5 UG/L	U	V	5	0	
		1 2 DICHLOROETHENE		5 UG/L	U	V			
		1 2 DICHLOROPROPANE		5 UG/L	U	V			
		2 BUTANONE		10 UG/L	U	R			
		2 HEXANONE		10 UG/L	U	V			
		4-METHYL 2-PENTANONE		10 UG/L	U	V			
		ACETONE		10 UG/L	U	V			
		BENZENE		5 UG/L	U	V			
		BROMODICHLOROMETHANE		5 UG/L	U	V			
		BROMOFLUOROBENZENE		93 %REC		Z			
		BROMOFORM		5 UG/L	U	V			
		BROMOMETHANE		10 UG/L	U	V			
		CARBON DISULFIDE		5 UG/L	U	V			
		CARBON TETRACHLORIDE		5 UG/L	U	V	5	0	
		CHLOROBENZENE		5 UG/L	U	V			
		CHLOROETHANE		10 UG/L	U	V			
		CHLOROFORM		5 UG/L	U	V			
		CHLOROMETHANE		10 UG/L	U	V			
		DIBROMOCHLOROMETHANE		5 UG/L	U	V			
		ETHYLBENZENE		5 UG/L	U	V			
		METHYLENE CHLORIDE		5 UG/L	U	V			
		STYRENE		5 UG/L	U	V			

TABLE 1152

891 UV P rf rm ce Ap 1 J 1994 UV I fluent

S mpl	N mber	S mpl D t	C mpound	R	I	U	It	M ass	Q	I	Vqual	ARAR	# SAM > ARAR
FT10212RG	20-Ap 94		TETRACHLOROETHENE			2	UG/L		J	A	5	0	
			TOLUENE			5	UG/L		U	V	2000	0	
			TOLUENE D8			108	%REC		Z				
			TOTAL XYLEMES			5	UG/L		U	V			
			TRICHLOROETHENE			5	UG/L		U	V			
			VINYL ACETATE			10	UG/L		U	V		5	0
			VINYL CHLORIDE			10	UG/L		U	V			
			cis-1 3-DICHLOROPROPENE			5	UG/L		U	V			
			trans-1 3-DICHLOROPROPENE			5	UG/L		U	V			
FT10241RG	10-May 94		1 1 1 TRICHLOROETHANE			5	UG/L		U	V	200	0	
			1 1 2 2 TETRACHLOROETHANE			5	UG/L		U	V			
			1 1 2 TRICHLOROETHANE			5	UG/L		U	V			
			1 1 DICHLOROETHANE			5	UG/L		U	V		5	0
			1 1 DICHLOROETHENE			5	UG/L		U	V		7	0
			1 2 DICHLOROETHANE D4			109	%REC		Z				
			1 2 DICHLOROETHANE			5	UG/L		U	V		5	0
			1 2 DICHLOROETHENE			5	UG/L		U	V			
			1 2 DICHLOROPROPANE			5	UG/L		U	V			
			2 BUTANONE			10	UG/L		U	V			
			2 HEXANONE			10	UG/L		U	V			
			4-METHYL 2 PENTANONE			10	UG/L		U	V			
			ACETONE			10	UG/L		U	V			
			BENZENE			5	UG/L		U	V			
			BROMODICHLOROMETHANE			5	UG/L		U	V			
			BROMOFLUOROBENZENE			99	%REC		Z				
			BROMOFORM			5	UG/L		U	V			
			BROMOMETHANE			10	UG/L		U	V			
			CARBON DISULFIDE			5	UG/L		U	V			
			CARBON TETRACHLORIDE			5	UG/L		U	V		5	0
			CHLOROBENZENE			5	UG/L		U	V			
			CHLOROETHANE			10	UG/L		U	V			
			CHLOROFORM			5	UG/L		U	V			
			CHLOROMETHANE			10	UG/L		U	V			
			DIBROMOCHLOROMETHANE			5	UG/L		U	V			
			ETHYLBENZENE			5	UG/L		U	V			
			METHYLENE CHLORIDE			5	UG/L		U	V			
			STYRENE			5	UG/L		U	V			
			TETRACHLOROETHENE			2	UG/L		J	A	5	0	
			TOLUENE			5	UG/L		U	V	2000	0	
			TOLUENE D8			104	%REC		Z				
			TOTAL XYLEMES			5	UG/L		U	V			
			TRICHLOROETHENE			5	UG/L		U	V		5	0
			VINYL ACETATE			10	UG/L		U	R			
			VINYL CHLORIDE			10	UG/L		U	V			
			cis 1 3 DICHLOROPROPENE			5	UG/L		U	V			
			trans 1 3-DICHLOROPROPENE			5	UG/L		U	V			
FT10254RG	27 M y 94		1 1 1 TRICHLOROETHANE			5	UG/L		U	V	200	0	
			1 1 2 2 TETRACHLOROETHANE			5	UG/L		U	V			
			1 1 2 TRICHLOROETHANE			5	UG/L		U	V			
			1 1 DICHLOROETHANE			5	UG/L		U	V		5	0
			1 1 DICHLOROETHENE			5	UG/L		U	V		7	0
			1 2 DICHLOROETHANE -D4			100	%REC		Z				
			1 2 DICHLOROETHANE			5	UG/L		U	V		5	0
			1 2 DICHLOROETHENE			5	UG/L		U	V			
			1 2 DICHLOROPROPANE			5	UG/L		U	V			
			2 BUTANONE			10	UG/L		U	V			
			2 HEXANONE			10	UG/L		U	V			
			4-METHYL 2 PENTANONE			10	UG/L		U	V			
			ACETONE			10	UG/L		U	V			
			BENZENE			5	UG/L		U	V			
			BROMODICHLOROMETHANE			5	UG/L		U	V			
			BROMOFLUOROBENZENE			112	%REC		Z				
			BROMOFORM			5	UG/L		U	V			
			BROMOMETHANE			10	UG/L		U	V			

TABLE 1153

891 UV P rf nm	April Jun 1994	UV I fluent	R ult	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
Smpl N mb	Smpl D t	C mpound						
FT10254RG	27-M y 94	CARBON DISULFIDE		5 UG/L	U	V		
		CARBON TETRACHLORIDE		5 UG/L	U	V	5	0
		CHLOROBENZENE		5 UG/L	U	V		
		CHLOROETHANE		10 UG/L	U	V		
		CHLOROFORM		5 UG/L	U	V		
		CHLOROMETHANE		10 UG/L	U	V		
		DIBROMOCHLOROMETHANE		5 UG/L	U	V		
		ETHYLBENZENE		5 UG/L	U	V		
		METHYLENE CHLORIDE		5 UG/L	U	V		
		STYRENE		5 UG/L	U	V		
		TETRACHLOROETHENE		5 UG/L	U	V	5	0
		TOLUENE		5 UG/L	U	V	2000	0
		TOLUENE D8		105 %REC		Z		
		TOTAL XYLEMES		5 UG/L	U	V		
		TRICHLOROETHENE		5 UG/L	U	V	5	0
		VINYL ACETATE		10 UG/L	U	V		
		VINYL CHLORIDE		10 UG/L	U	V		
		cis 1 3-DICHLOROPROPENE		5 UG/L	U	V		
		trans-1 3-DICHLOROPROPENE		5 UG/L	U	V		
FT10260RG	8-J n 94	1 1 1 TRICHLOROETHANE		5 UG/L	U	V	200	0
		1 1 2 2 TETRACHLOROETHANE		5 UG/L	U	V		
		1 1 2 TRICHLOROETHANE		5 UG/L	U	V		
		1 1 DICHLOROETHANE		5 UG/L	U	V	5	0
		1 1 DICHLOROETHENE		5 UG/L	U	V	7	0
		1 2 DICHLOROETHANE D4		103 %REC		Y		
		1 2 DICHLOROETHANE D4		103 %REC		Y		
		1 2 DICHLOROETHANE D4		107 %REC		Z		
		1 2 DICHLOROETHANE		5 UG/L	U	V	5	0
		1 2 DICHLOROETHENE		5 UG/L	U	V		
		1 2 DICHLOROPROPANE		- UG/L	U	V		
		2 BUTANONE		10 UG/L	U	V		
		2 HEXANONE		10 UG/L	U	V		
		4-METHYL 2 PENTANONE		10 UG/L	U	V		
		ACETONE		10 UG/L	U	R		
		BENZENE		5 UG/L	U	V		
		BROMODICHLOROMETHANE		5 UG/L	U	V		
		BROMOFLUOROBENZENE		104 %REC		Y		
		BROMOFLUOROBENZENE		108 %REC		Y		
		BROMOFLUOROBENZENE		108 %REC		Z		
		BROMOFORM		5 UG/L	U	V		
		BROMOMETHANE		10 UG/L	U	V		
		CARBON DISULFIDE		5 UG/L	U	V		
		CARBON TETRACHLORIDE		5 UG/L	U	V	5	0
		CHLOROBENZENE		5 UG/L	U	V		
		CHLOROETHANE		10 UG/L	U	V		
		CHLOROFORM		5 UG/L	U	V		
		CHLOROMETHANE		10 UG/L	U	R		
		DIBROMOCHLOROMETHANE		5 UG/L	U	V		
		ETHYLBENZENE		5 UG/L	U	V		
		METHYLENE CHLORIDE		5 UG/L	U	V	5	0
		STYRENE		5 UG/L	U	V		
		TETRACHLOROETHENE		1 UG/L	J	A	5	0
		TOLUENE		5 UG/L	U	V	2000	0
		TOLUENE D8		101 %REC		Y		
		TOLUENE D8		102 %REC		Y		
		TOLUENE D8		104 %REC		Z		
		TOTAL XYLEMES		5 UG/L	U	V		
		TRICHLOROETHENE		5 UG/L	U	V	5	0
		VINYL ACETATE		10 UG/L	U	V		
		VINYL CHLORIDE		10 UG/L	U	V		
		cis-1 3-DICHLOROPROPENE		5 UG/L	U	V		
		trans-1 3-DICHLOROPROPENE		5 UG/L	U	V		

Attachment 1

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TABLE 1154

891 UV P rf m	Ap 1 J	1994	UV Effluent	R	It	Unit M as	Q al	Vqual	ARAR	# SAM > ARAR
Smpl N mb	Smpl D t		Compound							
FT10214RG	20-Apr 94		1 1 2 TRICHLOROETHANE		5 UG/L		U	V		
			1 1 DICHLOROETHANE		5 UG/L		U	V	5	0
			1 1 DICHLOROETHENE		5 UG/L		U	V	7	0
			1 2 DICHLOROETHANE D4	105 %REC			Z			
			1 2 DICHLOROETHANE		5 UG/L		U	V	5	0
			1 2 DICHLOROETHENE		5 UG/L		U	V		
			1 2 DICHLOROPROPANE		5 UG/L		U	V		
			2-BUTANONE		10 UG/L		U	R		
			2 HEXANONE		10 UG/L		U	V		
			4-METHYL 2-PENTANONE		10 UG/L		U	V		
			ACETONE		20 UG/L			V		
			BENZENE		5 UG/L		U	V		
			BROMODICHLOROMETHANE		5 UG/L		U	V		
			BROMOFLUOROBENZENE	90 %REC			Z			
			BROMOFORM		5 UG/L		U	V		
			BROMOMETHANE		10 UG/L		U	V		
			CARBON DISULFIDE		5 UG/L		U	V		
			CARBON TETRACHLORIDE		5 UG/L		U	V		
			CHLOROBENZENE		5 UG/L		U	V		
			CHLOROETHANE		10 UG/L		U	V		
			CHLOROFORM		5 UG/L		U	V		
			CHLORMETHANE		10 UG/L		U	V		
			DIBROMOCHLOROMETHANE		5 UG/L		U	V		
			ETHYLBENZENE		5 UG/L		U	V		
			METHYLENE CHLORIDE		5 UG/L		U	V	5	0
			STYRENE		5 UG/L		U	V		
			TETRACHLOROETHENE		5 UG/L		U	V	5	0
			TOLUENE		5 UG/L		U	V	2000	0
			TOLUENE D8	106 %REC			Z			
			TOTAL XYLEMES		5 UG/L		U	V		
			TRICHLOROETHENE		5 UG/L		U	V	5	0
			VINYL ACETATE		10 UG/L		U	V		
			VINYL CHLORIDE		10 UG/L		U	V		
			cis-1 3-DICHLOROPROPENE		5 UG/L		U	V		
			trans 1 3-DICHLOROPROPENE		5 UG/L		U	V		
FT10214RG	20-Ap 94		1 1 1 2 TETRACHLOROETHANE		0 2 UG/L		U	V		
			1 1 1 TRICHLOROETHANE		0 2 UG/L		U	V	200	0
			1 1 2 2 TETRACHLOROETHANE		0 2 UG/L		U	V		
			1 1 2 TRICHLOROETHANE		0 6 UG/L		U	V		
			1 1 DICHLOROETHANE		0 2 UG/L		U	V	5	0
			1 1 DICHLOROETHENE		0 2 UG/L		U	V	7	0
			1 1 DICHLOROPROPENE		0 1 UG/L		U	V		
			1 2 3 -TRICHLOROBENZENE		0 2 UG/L		U	V		
			1 2 3 -TRICHLOROPROPANE		0 4 UG/L		U	V		
			1 2,4 -TRICHLOROBENZENE		0 3 UG/L		U	V		
			1 2 DIBROMOETHANE		0 3 UG/L		U	V		
			1 2 DICHLOROBENZENE		0 2 UG/L		U	V		
			1 2 DICHLOROBENZENE D4	100 %REC			Z			
			1 2 DICHLOROETHANE		0 4 UG/L		U	V	5	0
			1 2 DICHLOROPROPANE		0 2 UG/L		U	V		
			1 3 -DICHLOROBENZENE		0 2 UG/L		U	V		
			1 3 -DICHLOROPROPANE		0 2 UG/L		U	V		
			1 4 -DICHLOROBENZENE		0 3 UG/L		U	V		
			2 2 DICHLOROPROPANE		0 3 UG/L		U	V		
			4-ISOPROPYL TOLUENE		0 2 UG/L		U	V		
			ACETONE		10 UG/L		U	R		
			BENZENE		0 2 UG/L		U	V		
			BENZENE, 1 2,4 -TRIMETHYL		0 2 UG/L		U	V		
			BENZENE, 1 3 5 -TRIMETHYL		0 2 UG/L		U	V		
			BROMOBENZENE		0 2 UG/L		U	V		
			BROMOCHLOROMETHANE		0 5 UG/L		U	V		
			BROMODICHLOROMETHANE		0 2 UG/L		U	V		
			BROMOFLUOROBENZENE	90 %REC			Z			
			BROMOFORM		0 3 UG/L		U	V		
			BROMOMETHANE		0 5 UG/L		U	V		

TABLE 1155

891 UV P rf rm	April J 1994	UV Effluent	Result	Unit M	Qual	Vqual	ARAR	# SAM > ARAR
Smpl N mbe	Smpl D t	Compound						
FT10214RG	20-Apr 94	CARBON TETRACHLORIDE	0.3	UG/L	U	V	5	0
		CHLOROBENZENE	0.2	UG/L	U	V		
		CHLOROETHANE	0.4	UG/L	U	V		
		CHLOROFORM	0.1	UG/L	J	A		
		CHLOROMETHANE	0.4	UG/L	U	V		
		DIBROMOCHLOROMETHANE	0.2	UG/L	U	V		
		DIBROMOMETHANE	0.3	UG/L	U	V		
		DICHLORODIFLUOROMETHANE	0.2	UG/L	U	V		
		ETHYLBENZENE	0.2	UG/L	U	V		
		HEXACHLOROBUTADIENE	0.2	UG/L	U	V		
		ISOPROPYLBENZENE	0.2	UG/L	U	V		
		METHYLENE CHLORIDE	0.2	UG/L	U	V	5	0
		NAPHTHALENE	0.2	UG/L	U	V		
		PROPANE, 1,2 DIBROMO-3-CHLORO	0.4	UG/L	U	R		
		STYRENE	0.2	UG/L	U	V		
		TETRACHLOROETHENE	0.2	UG/L	U	V	5	0
		TOLUENE	0.2	UG/L	U	V	2000	0
		TRICHLOROETHENE	0.2	UG/L	U	V	5	0
		TRICHLOROFLUOROMETHANE	0.3	UG/L	U	V		
		UNKNOWN	0.18	UG/L	J	Z		
		VINYL CHLORIDE	0.2	UG/L	U	V		
		cis-1,2-DICHLOROETHENE	0.2	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	0.2	UG/L	U	V		
		m,p-XYLENE	0.3	UG/L	U	V		
		n-BUTYLBENZENE	0.2	UG/L	U	V		
		n-PROPYLBENZENE	0.2	UG/L	U	V		
		o-CHLOROTOLUENE	0.3	UG/L	U	V		
		o-XYLENE	0.2	UG/L	U	V		
		p-CHLOROTOLUENE	0.2	UG/L	U	V		
		sec-BUTYLBENZENE	0.2	UG/L	U	V		
		t-rt BUTYLBENZENE	0.2	UG/L	U	V		
		tra 1,2 DICHLOROETHENE	0.2	UG/L	U	V		
		tra 1,3-DICHLOROPROPENE	0.4	UG/L	U	V		
FT10242RG	10-May 94	1,1,1 TRICHLOROETHANE	5	UG/L	U	V	200	0
		1,1,2 TETRACHLOROETHANE	5	UG/L	U	V		
		1,1,2 TRICHLOROETHANE	5	UG/L	U	V		
		1,1 DICHLOROETHANE	5	UG/L	U	V	5	0
		1,1 DICHLOROETHENE	5	UG/L	U	V	7	0
		1,2 DICHLOROETHANE -D4	105	%REC	Z			
		1,2 DICHLOROETHANE	5	UG/L	U	V	5	0
		1,2 DICHLOROETHENE	5	UG/L	U	V		
		1,2 DICHLOROPROPANE	5	UG/L	U	V		
		2 BUTANONE	10	UG/L	U	V		
		2 HEXANONE	10	UG/L	U	V		
		4-METHYL 2 PENTANONE	10	UG/L	U	V		
		ACETONE	13	UG/L		V		
		BENZENE	5	UG/L	U	V		
		BROMODICHLOROMETHANE	5	UG/L	U	V		
		BROMOFLUOROBENZENE	100	%REC	Z			
		BROMOFORM	5	UG/L	U	V		
		BROMOMETHANE	10	UG/L	U	V		
		CARBON DISULFIDE	5	UG/L	U	V		
		CARBON TETRACHLORIDE	5	UG/L	U	V	5	0
		CHLOROBENZENE	5	UG/L	U	V		
		CHLOROETHANE	10	UG/L	U	V		
		CHLOROFORM	5	UG/L	U	V		
		CHLOROMETHANE	10	UG/L	U	V		
		DIBROMOCHLOROMETHANE	5	UG/L	U	V		
		ETHYLBENZENE	5	UG/L	U	V		
		METHYLENE CHLORIDE	5	UG/L	U	V	5	0
		STYRENE	5	UG/L	U	V		
		TETRACHLOROETHENE	5	UG/L	U	V	5	0
		TOLUENE	5	UG/L	U	V	2000	0
		TOLUENE D8	106	%REC	Z			
		TOTAL XYLEMES	5	UG/L	U	V		

TABLE 1156

891 UV P rf rman		Ap 1 Jun 1994	UV Effluent					
Smpl Number	Smpl D t	Compound	Res It	U It M	Qual	Vqual	ARAR	# SAM > ARAR
FT10214RG	20-Ap 94	1 1 1 2 TETRACHLOROETHANE	0 2	UG/L	U	Z		
		1 1 1 TRICHLOROETHANE	0.2	UG/L	U	Z	200	0
		1 1 2,2 TETRACHLOROETHANE	0 2	UG/L	U	Z		
		1 1,2 TRICHLOROETHANE	0 6	UG/L	U	Z		
		1 1 DICHLOROETHANE	0 2	UG/L	U	Z	5	0
		1 1 DICHLOROETHENE	0 2	UG/L	U	Z	7	0
		1 1 DICHLOROPROPENE	0 1	UG/L	U	Z		
		1 2,3-TRICHLOROBENZENE	0 2	UG/L	U	Z		
		1 2,3-TRICHLOROPROPANE	0 4	UG/L	U	Z		
		1 2 4 TRICHLOROBENZENE	0 3	UG/L	U	Z		
		1 2 DIBROMOETHANE	0 3	UG/L	U	Z		
		1 2 DICHLOROBENZENE	0 2	UG/L	U	Z		
		1 2 DICHLOROBENZENE D4	83 %REC			Z		
		1 2 DICHLOROETHANE	0 4	UG/L	U	Z	5	0
		1,2 DICHLOROPROPANE	0 2	UG/L	U	Z		
		1 3-DICHLOROBENZENE	0 2	UG/L	U	Z		
		1 3-DICHLOROPROPANE	0 2	UG/L	U	Z		
		1 4 DICHLOROBENZENE	0 3	UG/L	U	Z		
		2 2 DICHLOROPROPANE	0 3	UG/L	U	Z		
		4-ISOPROPYLtolUENE	0 2	UG/L	U	Z		
		ACETONE	10	UG/L	U	Z		
		BENZENE	0 2	UG/L	U	Z		
		BENZENE, 1 2 4-TRIMETHYL	0 2	UG/L	U	Z		
		BENZENE 1 3 5-TRIMETHYL	0 2	UG/L	U	Z		
		BROMOBENZENE	0 2	UG/L	U	Z		
		BROMOCHLOROMETHANE	0 5	UG/L	U	Z		
		BROMODICHLOROMETHANE	0 2	UG/L	U	Z		
		BROMOFLUOROBENZENE	85 %REC			Z		
		BROMOFORM	0 3	UG/L	U	Z		
		BROMOMETHANE	0 5	UG/L	U	Z		
		CARBON TETRACHLORIDE	0 3	UG/L	U	Z	5	0
		CHLOROBENZENE	0 2	UG/L	U	Z		
		CHLOROETHANE	0 4	UG/L	U	Z		
		CHLOROFORM	0 1	UG/L	J	Z		
		CHLOROMETHANE	0 4	UG/L	U	Z		
		DIBROMOCHLOROMETHANE	0 2	UG/L	U	Z		
		DIBROMOMETHANE	0 3	UG/L	U	Z		
		DICHLORODIFLUOROMETHANE	0 2	UG/L	U	Z		
		ETHYLBENZENE	0 2	UG/L	U	Z		
		HEXAChLOROBUTADIENE	0 2	UG/L	U	Z		
		ISOPROPYLBENZENE	0 2	UG/L	U	Z		
		METHYLENE CHLORIDE	0.2	UG/L	U	Z	5	0
		NAPHTHALENE	0 2	UG/L	U	Z		
		PROPANE, 1 2 DIBROMO-3 CHLORO-	0 4	UG/L	U	Z		
		STYRENE	0 2	UG/L	U	Z		
		TETRACHLOROETHENE	0 2	UG/L	U	Z	5	0
		TOLUENE	0 2	UG/L	U	Z	2000	0
		TRICHLOROETHENE	0 2	UG/L	U	Z	5	0
		TRICHLOROFUOROMETHANE	0 3	UG/L	U	Z		
		UNKNOWN	0 19	UG/L	J	Z		
		VINYL CHLORIDE	0 2	UG/L	U	Z		
		cis-1 2 DICHLOROETHENE	0 2	UG/L	U	Z		
		cis-1 3-DICHLOROPROPENE	0 2	UG/L	U	Z		
		m p XYLENE	0 3	UG/L	U	Z		
		n-BUTYLBENZENE	0 2	UG/L	U	Z		
		n-PROPYLBENZENE	0.2	UG/L	U	Z		
		o-CHLOROTOLUENE	0 3	UG/L	U	Z		
		o-XYLENE	0 2	UG/L	U	Z		
		p-CHLOROTOLUENE	0 2	UG/L	U	Z		
		sec-BUTYLBENZENE	0 2	UG/L	U	Z		
		tert BUTYLBENZENE	0.2	UG/L	U	Z		
		tra s 1 2 DICHLOROETHENE	0 2	UG/L	U	Z		
		tra s-1 3-DICHLOROPROPENE	0 4	UG/L	U	Z		
FT10214RG	20 Ap 94	1 1 1 TRICHLOROETHANE	5	UG/L	U	V	200	0
		1 1 2 TETRACHLOROETHANE	5	UG/L	U	V		

TABLE 1157

891 UV P rf rm cs Ap 1 Ju 1994				UV Effluent						
Smpl N mb	Smpl D t	Compound	Res It	U It M	Qual	Vqual	ARAR	# SAM > ARAR		
FT10242RG	10-M y 94	TRICHLOROETHENE		5 UG/L	U	V	5	0		
		VINYL ACETATE		10 UG/L	U	R				
		VINYL CHLORIDE		10 UG/L	U	V				
		cis-1 3-DICHLOROPROPENE		5 UG/L	U	V				
		trans-1 3-DICHLOROPROPENE		5 UG/L	U	V				
FT10255RG	27-May 94	1 1 1 TRICHLOROETHANE		5 UG/L	U	V	200	0		
		1 1 2 2 TETRACHLOROETHANE		5 UG/L	U	V				
		1 1 2 TRICHLOROETHANE		5 UG/L	U	V				
		1 1 DICHLOROETHANE		5 UG/L	U	V	5	0		
		1 1 DICHLOROETHENE		5 UG/L	U	V	7	0		
		1 2 DICHLOROETHANE D4	102 %REC			Y				
		1 2 DICHLOROETHANE D4	97 %REC			Y				
		1 2 DICHLOROETHANE D4	97 %REC			Z				
		1 2 DICHLOROETHANE	5 UG/L	U	V		5	0		
		1 2 DICHLOROETHENE	5 UG/L	U	V					
		1 2 DICHLOROPROPANE	5 UG/L	U	V					
		2 BUTANONE	10 UG/L	U	V					
		2 HEXANONE	10 UG/L	U	V					
		4-METHYL 2 PENTANONE	10 UG/L	U	V					
		ACETONE	65 UG/L	U	J					
		BENZENE	5 UG/L	U	V					
		BROMODICHLOROMETHANE	5 UG/L	U	V					
		BROMOFLUOROBENZENE	103 %REC			Y				
		BROMOFLUOROBENZENE	105 %REC			Y				
		BROMOFLUOROBENZENE	99 %REC			Z				
		BROMOFORM	5 UG/L	U	V					
		BROMOMETHANE	10 UG/L	U	V					
		CARBON DISULFIDE	5 UG/L	U	V					
		CARBON TETRACHLORIDE	5 UG/L	U	V	5	0			
		CHLOROBENZENE	5 UG/L	U	V					
		CHLOROETHANE	10 UG/L	U	V					
		CHLOROFORM	5 UG/L	U	V					
		CHLOROMETHANE	10 UG/L	U	V					
		DIBROMOCHLOROMETHANE	5 UG/L	U	V					
		ETHYLBENZENE	5 UG/L	U	V					
		METHYLENE CHLORIDE	5 UG/L	U	V	5	0			
		STYRENE	5 UG/L	U	V					
		TETRACHLOROETHENE	5 UG/L	U	V	5	0			
		TOLUENE	5 UG/L	U	V	2000	0			
		TOLUENE D8	102 %REC			Y				
		TOLUENE D8	99 %REC			Y				
		TOLUENE D8	99 %REC			Z				
		TOTAL XYLEMES	5 UG/L	U	V					
		TRICHLOROETHENE	5 UG/L	U	V	5	0			
		VINYL ACETATE	10 UG/L	U	V					
		VINYL CHLORIDE	10 UG/L	U	V					
		cis-1 3-DICHLOROPROPENE	5 UG/L	U	V					
		trans-1 3-DICHLOROPROPENE	5 UG/L	U	V					
FT10261RG	8 J 94	1 1 1 TRICHLOROETHANE	5 UG/L	U	V	200	0			
		1 1 2 2 TETRACHLOROETHANE	5 UG/L	U	V					
		1 1 2 TRICHLOROETHANE	5 UG/L	U	V					
		1 1 DICHLOROETHANE	5 UG/L	U	V	5	0			
		1 1 DICHLOROETHENE	5 UG/L	U	V	7	0			
		1 2 DICHLOROETHANE D4	107 %REC			Z				
		1 2 DICHLOROETHANE	5 UG/L	U	V	5	0			
		1 2 DICHLOROETHENE	5 UG/L	U	V					
		1 2 DICHLOROPROPANE	5 UG/L	U	V					
		2 BUTANONE	10 UG/L	U	V					
		2 HEXANONE	10 UG/L	U	V					
		4-METHYL 2 PENTANONE	10 UG/L	U	V					
		ACETONE	16 UG/L	U	J					
		BENZENE	5 UG/L	U	V					
		BROMODICHLOROMETHANE	5 UG/L	U	V					
		BROMOFLUOROBENZENE	109 %REC			Z				

TABLE 1158

891 UV P rform ce Ap 1 J 1994		UV Effluent	Res It	U It Meas	Qual	Vqu I	ARAR	# SAM > ARAR
Sample Number	Sample Date	Compound						
FT10261RG	8-Jun-94	BROMOFORM		5 UG/L	U	V		
		BROMOMETHANE		10 UG/L	U	V		
		CARBON DISULFIDE		5 UG/L	U	V		
		CARBON TETRACHLORIDE		5 UG/L	U	V	5	0
		CHLOROBENZENE		5 UG/L	U	V		
		CHLOROETHANE		10 UG/L	U	V		
		CHLOROFORM		5 UG/L	U	V		
		CHLOROMETHANE		10 UG/L	U	R		
		DIBROMOCHLOROMETHANE		5 UG/L	U	V		
		ETHYLBENZENE		5 UG/L	U	V		
		METHYLENE CHLORIDE		5 UG/L	U	V		
		STYRENE		5 UG/L	U	V		
		TETRACHLOROETHENE		5 UG/L	U	V	5	0
		TOLUENE		5 UG/L	U	V	2000	0
		TOLUENE D8	104 %REC		Z			
		TOTAL XYLEMES		5 UG/L	U	V		
		TRICHLOROETHENE		5 UG/L	U	V	5	0
		VINYL ACETATE		10 UG/L	U	V		
		VINYL CHLORIDE		10 UG/L	U	V		
		cis 1,3-DICHLOROPROPENE		5 UG/L	U	V		
		trans-1,3-DICHLOROPROPENE		5 UG/L	U	V		

**Well 31491 Rads April June 1994**

Sample Number	Sample Date	Isotope	Result	Unit Meas	Error	Qual	Vqual	ARAR	# SAM > ARAR
GW00617GA	19 May 94	TRITIUM	170	PCI/L	210	U	Z	20000	0
		TRITIUM	240	PCI/L	220	U	Y	20000	0

**Well 35691 Rads April June 1994**

Sample Number	Sample Date	Isotope	Result	Unit Meas	Error	Qual	Vqual	ARAR	# SAM > ARAR
GW00732GA	5 May 94	AMERICIUM 241	0	PCI/L	0	U	Y	4	0
		GROSS ALPHA	14	PCI/L	2	1	Y	15	0
		GROSS BETA	8	PCI/L	2	Y	50	0	
		PLUTONIUM 239/240	0.005	PCI/L	0.006	J	Y	15	0
		STRONTIUM 89 90	0.03	PCI/L	0.35	U	Y	8	0
		TOTAL RADIOCESIUM	0.99	PCI/L	0.98	U	Y	20000	0
		TRITIUM	130	PCI/L	230	U	Y	20000	0
		URANIUM 233 234	18	PCI/L	2	8	Y		
		URANIUM 235	0.62	PCI/L	0.31	Y			
		URANIUM 238	13	PCI/L	2	2	Y		
		TOTAL URANIUM	31.62		5.31		40		0

**Well 45391 Rads April June 1994**

Sample Number	Sample Date	Isotope	Result	Unit Meas	Error	Qual	Vqual	ARAR	# SAM > ARAR
GW00594GA	20 Apr 94	TRITIUM	240	PCI/L	220	U	Y	20000	0

## Well 10492 Rads April June 1994

Sample Number	Sample Date	Isotope	Result	Unit Meas	Error	Qual	Vqual	ARAR	# SAM > ARAR
GW00587GA	20 Apr 94	GROSS ALPHA	28	PC/L	3.3	Y	15	1	
		GROSS BETA	16	PC/L	3.9	Y	50	0	
		RADIUM 226	0.38	PC/L	0.077	J	Y	20000	0
		TRITIUM	240	PC/L	220	U	Y		
		URANIUM 233 234	19	PC/L	3.2	Y			
		URANIUM 235	0.38	PC/L	0.28	J	Y		
		URANIUM 238	13	PC/L	2.4	Y			
		TOTAL URANIUM	32.38		5.88			40	0

## Well 10692 Rads April June 1994

Sample Number	Sample Date	Isotope	Result	Unit Meas	Error	Qual	Vqual	ARAR	# SAM > ARAR
GW00589GA	20 Apr 94	AMERICIUM 241	0.009	PC/L	0.014	U	Y	4	0
		GROSS ALPHA	14	PC/L	2.7	Y	15	0	
		GROSS BETA	13	PC/L	3.9	Y	50	0	
		PLUTONIUM 239/240	0.007	PC/L	0.016	U	Y	15	0
		RADIUM 226	0.37	PC/L	0.081	J	Z		
		RADIUM 226	0.32	PC/L	0.077	J	Y		
		STRONTIUM 89 90	3.3	PC/L	0.62	Y			
		TOTAL RADIOCESIUM	0.84	PC/L	0.74	U	Y	20000	0
		TRITIUM	250	PC/L	220	U	Y		
		URANIUM 233 234	14	PC/L	2.3	Y			
		URANIUM 235	0.31	PC/L	0.22	J	Y		
		URANIUM 238	9.2	PC/L	1.7	Y			
		TOTAL URANIUM	23.51		4.22			40	0

## Well 10792 Rads April June 1994

Sample Number	Sample Date	Isotope	Result	Unit Meas	Error	Qual	Vqual	ARAR	# SAM > ARAR
GW00590GA	20-Apr 94	TRITIUM	300	PC/L	230	U	Z	20000	0
		TRITIUM	250	PC/L	220	U	Y	20000	0
		TRITIUM	240	PC/L	220	U	Y	20000	0

**Well 10492 Water Quality April June 1994**

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW00587GA	20 Apr 94	BICARBONATE AS CACO <sub>3</sub>	300	MG/L	U	Y	JA	
GW00587GA	20 Apr 94	CARBONATE AS CACO <sub>3</sub>	1	MG/L	U	Y	250	0
GW00587GA	20-Apr 94	CHLORIDE	140	MG/L	U	Y	250	0
GW00587GA	20 Apr 94	CYANIDE	0.01	MG/L				
GW00587GA	20 Apr 94	FLUORIDE	1.2	MG/L				
GW00587GA	20 Apr 94	NITRATE/NITRITE	6.2	MG/L				
GW00587GA	20-Apr 94	ORTHOPHOSPHATE	0.02	MG/L				
GW00587GA	20-Apr 94	SULFATE	320	MG/L			250	1
GW00587GA	20-Apr 94	TOTAL DISSOLVED SOLIDS	1100	MG/L			400	1
GW00587GA	20 Apr 94	TOTAL SUSPENDED SOLIDS	180	MG/L				
GW00699GA	28 Apr 94	TOTAL ORGANIC HALOGENS (TOX)	0.012	MG/L	JA	Y		
GW00769GA	25 May 94	TOTAL ORGANIC HALOGENS (TOX)	0.018	MG/L	Y	Y		

**Well 10592 Water Quality April June 1994**

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW00588GA	20-Apr 94	BICARBONATE AS CACO <sub>3</sub>	230	MG/L	U	Y	250	0
GW00588GA	20-Apr 94	CARBONATE AS CACO <sub>3</sub>	1	MG/L				
GW00588GA	20-Apr 94	CHLORIDE	220	MG/L				
GW00588GA	20 Apr 94	FLUORIDE	2.5	MG/L				
GW00588GA	20-Apr 94	NITRATE/NITRITE	6.6	MG/L			10	0
GW00588GA	20 Apr 94	SULFATE	400	MG/L			250	1
GW00588GA	20-Apr 94	TOTAL DISSOLVED SOLIDS	1200	MG/L			400	1
GW00588GA	20-Apr 94	TOTAL ORGANIC HALOGENS (TOX)	0.027	MG/L	JA	Y		
GW00588GA	20-Apr 94	TOTAL SUSPENDED SOLIDS	71	MG/L				
GW00770GA	25-May 94	TOTAL ORGANIC HALOGENS (TOX)	0.034	MG/L	Y	Y		

Well 10692 Water Quality April June 1994			
GW00J89GA	20 Apr 94	BICARBONATE AS CACO3	530 MG/L
GW00589GA	20 Apr 94	CARBONATE AS CACO3	1 MG/L
GW00589GA	20 Apr 94	CHLORIDE	130 MG/L
GW00589GA	20-Apr 94	CYANIDE	0.01 MG/L
GW00589GA	20 Apr 94	FLUORIDE	2.1 MG/L
GW00589GA	20-Apr 94	NITRATE/NITRITE	0.17 MG/L
GW00589GA	20-Apr 94	ORTHOPHOSPHATE	0.07 MG/L
GW00589GA	20 Apr 94	SULFATE	330 MG/L
GW00589GA	20-Apr 94	TOTAL DISSOLVED SOLIDS	1200 MG/L
GW00589GA	20-Apr 94	TOTAL ORGANIC HALOGENS (TOX)	0.034 MG/L
GW00589GA	20-Apr 94	TOTAL SUSPENDED SOLIDS	60 MG/L
GW00771GA	25 May 94	TOTAL ORGANIC HALOGENS (TOX)	0.03 MG/L
Well 10792 Water Quality April June 1994			
GW00590GA	20 Apr 94	NITRATE/NITRITE	6 MG/L
GW00590GA	20 Apr 94	TOTAL ORGANIC HALOGENS (TOX)	0.017 MG/L
GW00883GA	25 May 94	TOTAL ORGANIC HALOGENS (TOX)	0.036 MG/L
Well 10992 Water Quality April June 1994			
GW00591GA	20 Apr 94	TOTAL ORGANIC HALOGENS (TOX)	0.009 MG/L
GW00773GA	25-May 94	TOTAL ORGANIC HALOGENS (TOX)	0.016 MG/L
Well 11092 Water Quality April June 1994			
GW00J92GA	20-Apr 94	TOTAL ORGANIC HALOGENS (TOX)	0.035 MG/L
GW00774GA	27 May 94	TOTAL ORGANIC HALOGENS (TOX)	0.027 MG/L

## Well 35691 Water Quality April June 1994

GW00732GA	5 May 94	BICARBONATE AS CACO3	490 MG/L	V
GW00732GA	5 May 94	CARBONATE AS CACO3	1 MG/L	U
GW00732GA	5 May 94	CHLORIDE	160 MG/L	V
GW00732GA	5 May 94	CYANIDE	0.01 MG/L	U
GW00732GA	5 May 94	FLUORIDE	1.5 MG/L	V
GW00732GA	5 May 94	NITRATE/NITRITE	0.14 MG/L	V
GW00732GA	5 May 94	ORTHOPHOSPHATE	0.02 MG/L	0
GW00732GA	5-May 94	SULFATE	480 MG/L	V
GW00732GA	5-May 94	TOTAL DISSOLVED SOLIDS	1500 MG/L	V
GW00732GA	5 May 94	TOTAL SUSPENDED SOLIDS	8 MG/L	V

Well 45391 Water Quality April June 1994				
GW00594GA	20-Apr 94	NITRATE/NITRITE	5.8 MG/L	V
GW00594GA	20-Apr 94	ORTHOPHOSPHATE	0.06 MG/L	V
GW00594GA	20-Apr 94	TOTAL ORGANIC HALOGENS (TOX)	0.02 MG/L	JA
GW00882GA	25-May 94	TOTAL ORGANIC HALOGENS (TOX)	0.031 MG/L	Y

W II 10492 April 1994

Sample Number	Sample Date	Element	Result	Unit Measure	Qualifier	Vqual	ARAR	SAM > ARAR
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Well 10692 Ap I 1994

GW00589GA	20-Apr 94	THALLIUM	1 UG/L		U	V	10	0
		TIN	10 UG/L		U	V		
		VANADIUM	37 UG/L		B	V	100	0
		ZINC	75 UG/L		U	JA	2000	0

Well 35691 May 1994

GW00732GA	5-May 94	ALUMINUM	11 UG/L		U	V	5000	0
		ANTIMONY	14 UG/L		U	V	60	0
		ARSENIC	1 UG/L		U	V	50	0
		BARIUM	493 UG/L		B	V	1000	0
		BERYLLIUM	1 UG/L		U	V	100	0
		CADMIUM	3 UG/L		U	V	10	0
		CALCIUM	240000 UG/L			V		
		CESIUM	63 UG/L		U	V		
		CHROMIUM	2 UG/L		U	V	50	0
		COBALT	2 UG/L		U	V		
		COPPER	1 UG/L		U	V	200	0
		IRON	5 UG/L		U	V	300	0
		LEAD	12 UG/L		U	JA	50	0
		LITHIUM	28 UG/L		B	V	2500	0
		MAGNESIUM	60700 UG/L			V		
		MANGANESE	12 UG/L		B	V	50	0
		MERCURY	02 UG/L		U	V	2	0
		MOLYBDENUM	3 UG/L		U	V	100	0
		NICKEL	6 UG/L		U	V	200	0
		POTASSIUM	712 UG/L		B	V		
		SELENIUM	102 UG/L			V	10	1
		SILICON	8190 UG/L			V		
		SILVER	2 UG/L		U	V	50	0
		SODIUM	161000 UG/L			V		
		STRONTIUM	1720 UG/L			V		
		THALLIUM	2 UG/L		UWN	JA	10	0
		TIN	10 UG/L		U	V		
		VANADIUM	2 UG/L		U	V	100	0
		ZINC	6 UG/L		U	JA	2000	0

## W II 10492 April 1994

Sample Number	Sample Date	Element	Result	Unit Measure	Qualifier	Vqual	ARAR	SAM > ARAR
GW00587GA	20-Apr 94	ALUMINUM	11	UG/L	U	V	5000	0
		ANTIMONY	14	UG/L	U	V	60	0
		ARSENIC	1	UG/L	U	V	50	0
		BARIUM	318	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMUM	3	UG/L	U	V	10	0
		CALCIUM	129000	UG/L		V		
		CESIUM	63	UG/L	U	V		
		CHROMIUM	2	UG/L	U	V	50	0
		COBALT	2	UG/L	U	V		
		COPPER	1	UG/L	U	V	200	0
		IRON	5	UG/L	U	V	300	0
		LEAD	1	UG/L	U	V	50	0
		LITHIUM	186	UG/L		V	2500	0
		MAGNESIUM	50100	UG/L		V		
		MANGANESE	24	UG/L	B	V	50	0
		MERCURY	0.2	UG/L	U	V	2	0
		MOLYBDENUM	5.8	UG/L	U	JA	100	0
		NICKEL	6	UG/L	U	V	200	0
		POTASSIUM	3810	UG/L	B	V		
		SELENIUM	685	UG/L		V	10	1
		SILICON	8010	UG/L		V		
		SILVER	2	UG/L	U	V	50	0
		SODIUM	147000	UG/L		V		
		STRONTIUM	1490	UG/L		V		
		THALLIUM	1	UG/L	U	V	10	0
		TIN	10	UG/L	U	V		
		VANADIUM	21	UG/L	B	V	100	0
		ZINC	199	UG/L	U	JA	2000	0

## Well 10692 Ap 1 1994

GW00589GA	20-Apr 94	ALUMINUM	11	UG/L	U	V	5000	0
		ANTIMONY	14	UG/L	U	V	60	0
		ARSENIC	1	UG/L	U	V	50	0
		BARIUM	571	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMUM	3	UG/L	U	V	10	0
		CALCIUM	167000	UG/L		V		
		CESIUM	63	UG/L	U	V		
		CHROMIUM	2	UG/L	U	V	50	0
		COBALT	2	UG/L	U	V		
		COPPER	1	UG/L	U	V	200	0
		IRON	77	UG/L	U	JA	300	0
		LEAD	1	UG/L	U	V	50	0
		LITHIUM	23	UG/L	B	V	2500	0
		MAGNESIUM	47900	UG/L		V		
		MANGANESE	389	UG/L		V	50	0
		MERCURY	0.2	UG/L		V	2	0
		MOLYBDENUM	4.7	UG/L	U	JA	100	0
		NICKEL	6	UG/L	U	V	200	0
		POTASSIUM	791	UG/L	B	V		
		SELENIUM	1.2	UG/L	U	JA	10	0
		SILICON	6980	UG/L		V		
		SILVER	2	UG/L	U	V	50	0
		SODIUM	196000	UG/L		V		
		STRONTIUM	1370	UG/L		V		

Attachment 1

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## Well 10492 Water Quality April June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW00587GA	20-Apr 94	BICARBONATE AS CACO3	300	MG/L	JA	V		
GW00587GA	20 Apr 94	CARBONATE AS CACO3	1	MG/L	U	V	250	0
GW00587GA	20 Apr 94	CHLORIDE	140	MG/L	U	V		
GW00587GA	20-Apr 94	CYANIDE	0.01	MG/L				
GW00587GA	20 Apr 94	FLUORIDE	1.2	MG/L				
GW00587GA	20 Apr 94	NITRATE/NITRITE	6.2	MG/L				
GW00587GA	20 Apr 94	ORTHOPHOSPHATE	0.02	MG/L				
GW00587GA	20 Apr 94	SULFATE	320	MG/L			250	1
GW00587GA	20 Apr 94	TOTAL DISSOLVED SOLIDS	1100	MG/L			400	1
GW00587GA	20-Apr 94	TOTAL SUSPENDED SOLIDS	180	MG/L				
GW00699GA	28 Apr 94	TOTAL ORGANIC HALOGENS (TOX)	0.012	MG/L	JA	V		
GW00769GA	25 May 94	TOTAL ORGANIC HALOGENS (TOX)	0.018	MG/L	Y	V		
<b>Well 10592 Water Quality April June 1994</b>								
GW00588GA	20 Apr 94	BICARBONATE AS CACO3	230	MG/L	JA	V		
GW00588GA	20 Apr 94	CARBONATE AS CACO3	1	MG/L	U	V	250	0
GW00588GA	20-Apr 94	CHLORIDE	220	MG/L				
GW00588GA	20 Apr 94	FLUORIDE	2.5	MG/L				
GW00588GA	20 Apr 94	NITRATE/NITRITE	6.6	MG/L			10	0
GW00588GA	20-Apr 94	SULFATE	400	MG/L			250	1
GW00588GA	20-Apr 94	TOTAL DISSOLVED SOLIDS	1200	MG/L			400	1
GW00588GA	20 Apr 94	TOTAL ORGANIC HALOGENS (TOX)	0.027	MG/L	JA	V		
GW00588GA	20-Apr 94	TOTAL SUSPENDED SOLIDS	71	MG/L				
GW00770GA	25 May 94	TOTAL ORGANIC HALOGENS (TOX)	0.034	MG/L	Y	V		

**Well 10692 Water Quality April June 1994**

GW00589GA	20 Apr 94	BICARBONATE AS CACO3	530 MG/L	JA
GW00589GA	20 Apr 94	CARBONATE AS CACO3	1 MG/L	U
GW00589GA	20 Apr 94	CHLORIDE	130 MG/L	V
GW00589GA	20 Apr 94	CYANIDE	0.01 MG/L	U
GW00589GA	20 Apr 94	FLUORIDE	2.1 MG/L	V
GW00589GA	20 Apr 94	NITRATE/NITRITE	0.17 MG/L	V
GW00589GA	20-Apr 94	ORTHOPHOSPHATE	0.07 MG/L	V
GW00589GA	20-Apr 94	SULFATE	330 MG/L	V
GW00589GA	20-Apr 94	TOTAL DISSOLVED SOLIDS	1200 MG/L	V
GW00589GA	20-Apr 94	TOTAL ORGANIC HALOGENS (TOX)	0.034 MG/L	JA
GW00589GA	20-Apr 94	TOTAL SUSPENDED SOLIDS	60 MG/L	V
GW00771GA	25-May 94	TOTAL ORGANIC HALOGENS (TOX)	0.03 MG/L	V
<b>Well 10792 Water Quality April June 1994</b>				
GW00590GA	20 Apr 94	NITRATE/NITRITE	6 MG/L	V
GW00590GA	20 Apr 94	TOTAL ORGANIC HALOGENS (TOX)	0.017 MG/L	JA
GW00883GA	25-May 94	TOTAL ORGANIC HALOGENS (TOX)	0.036 MG/L	V
<b>Well 10992 Water Quality April June 1994</b>				
GW00591GA	20 Apr 94	TOTAL ORGANIC HALOGENS (TOX)	0.009 MG/L	JA
GW00773GA	25 May 94	TOTAL ORGANIC HALOGENS (TOX)	0.016 MG/L	V
GW00592GA	20-Apr 94	TOTAL ORGANIC HALOGENS (TOX)	0.035 MG/L	JA
GW00774GA	27 May 94	TOTAL ORGANIC HALOGENS (TOX)	0.027 MG/L	V

**Well 35691 Water Quality April June 1994**

GW00732GA	5 May 94	BICARBONATE AS CACO3	490 MG/L
GW00732GA	5-May 94	CARBONATE AS CACO3	1 MG/L
GW00732GA	5-May 94	CHLORIDE	160 MG/L
GW00732GA	5 May 94	CYANIDE	0.01 MG/L
GW00732GA	5 May 94	FLUORIDE	1.5 MG/L
GW00732GA	5-May 94	NITRATE/NITRITE	0.14 MG/L
GW00732GA	5-May 94	ORTHOPHOSPHATE	0.02 MG/L
GW00732GA	5 May 94	SULFATE	480 MG/L
GW00732GA	5 May 94	TOTAL DISSOLVED SOLIDS	1500 MG/L
GW00732GA	5-May 94	TOTAL SUSPENDED SOLIDS	8 MG/L
<b>Well 45391 Water Quality April June 1994</b>			
GW00594GA	20-Apr 94	NITRATE/NITRITE	5.8 MG/L
GW00594GA	20-Apr 94	ORTHOPHOSPHATE	0.06 MG/L
GW00594GA	20 Apr 94	TOTAL ORGANIC HALOGENS (TOX)	0.02 MG/L
GW00882GA	25 May 94	TOTAL ORGANIC HALOGENS (TOX)	0.031 MG/L

W II 45391 VOA April J 1994

Smpl N mb	Smpl D t	C mpo d	R It U It M	Q I	Vq I	ARAR	# SAM > ARAR
GW00594GA	20-Apr 94	1 1 1,2 TETRACHLOROETHANE	0 2 UG/L	U	V		
		1 1 1 TRICHLOROETHANE	0 2 UG/L	U	V	200	0
		1 1,2,2 TETRACHLOROETHANE	0 2 UG/L	U	V		
		1 1,2 TRICHLOROETHANE	0 6 UG/L	U	V		
		1 1-DICHLOROETHANE	0 2 UG/L	U	V	5	0
		1 1 DICHLOROETHENE	0 2 UG/L	U	V	7	0
		1 1 DICHLOROPROPENE	0 1 UG/L	U	V		
		1 2 3-TRICHLOROBENZENE	0 2 UG/L	U	V		
		1 2 3-TRICHLOROPROPANE	0 4 UG/L	U	V		
		1 2 4-TRICHLOROBENZENE	0 3 UG/L	U	V		
		1 2-DIBROMOETHANE	0 3 UG/L	U	V		
		1,2 DICHLOROBENZENE	0 2 UG/L	U	V		
		1 2 DICHLOROBENZENE-D4	86 %REC	Z			
		1 2-DICHLOROETHANE	0 4 UG/L	U	V	5	0
		1 2 DICHLOROPROPANE	0 2 UG/L	U	V		
		1 3 DICHLOROBENZENE	0 2 UG/L	U	V		
		1 3-DICHLOROPROPANE	0 2 UG/L	U	V		
		1 4-DICHLOROBENZENE	0 3 UG/L	U	V		
		2 2 DICHLOROPROPANE	0 3 UG/L	U	V		
		4-ISOPROPYLtolUENE	0 2 UG/L	U	V		
		BENZENE	0 2 UG/L	U	V		
		BENZENE 1 2 4-TRIMETHYL	0 2 UG/L	U	V		
		BENZENE 1 3 5-TRIMETHYL	0 2 UG/L	U	V		
		BROMOBENZENE	0 2 UG/L	U	V		
		BROMOCHLOROMETHANE	0 5 UG/L	U	V		
		BROMODICHLOROMETHANE	0 2 UG/L	U	V		
		BROMOFLUOROBENZENE	91 %REC	Z			
		BROMOFORM	0 3 UG/L	U	V		
		BROMOMETHANE	0 5 UG/L	U	V		
		CARBON TETRACHLORIDE	0 3 UG/L	U	V	5	0
		CHLOROBENZENE	0 2 UG/L	U	V		
		CHLOROETHANE	0 4 UG/L	U	V		
		CHLOROFORM	0 2 UG/L	U	V		
		CHLOROMETHANE	0 4 UG/L	U	V		
		DIBROMOCHLOROMETHANE	0 2 UG/L	U	V		
		DIBROMOMETHANE	0 3 UG/L	U	V		
		DICHLORODIFLUOROMETHANE	0 2 UG/L	U	V		
		ETHYLBENZENE	0 2 UG/L	U	V		
		HEXACHLOROBUTADIENE	0 2 UG/L	U	V		
		ISOPROPYLBENZENE	0 2 UG/L	U	V		
		METHYLENE CHLORIDE	0 2 UG/L	U	V	5	0
		NAPHTHALENE	0 2 UG/L	U	V		
		PROPANE 1 2 DIBROMO-3-CHLORO-	0 4 UG/L	U	R		
		STYRENE	0 2 UG/L	U	V		
		TETRACHLOROETHENE	0 1 UG/L	J	A	5	0
		TOLUENE	0 2 UG/L	U	V	2000	0
		TRICHLOROETHENE	0 2 UG/L	U	V	5	0
		TRICHLOROFLUOROMETHANE	0 3 UG/L	U	V		
		VINYL CHLORIDE	0 2 UG/L	U	V		
		cis 1 2-DICHLOROETHENE	0 2 UG/L	U	V		
		cis 1 3-DICHLOROPROPENE	0 2 UG/L	U	V		
		m p XYLENE	0 3 UG/L	U	V		
		n BUTYLBENZENE	0 2 UG/L	U	V		
		n-PROPYLBENZENE	0 2 UG/L	U	V		
		o-CHLOROTOLUENE	0 3 UG/L	U	V		
		o-XYLENE	0 2 UG/L	U	V		
		p-CHLOROTOLUENE	0 2 UG/L	U	V		
		sec-BUTYLBENZENE	0 2 UG/L	U	V		
		tert BUTYLBENZENE	0 2 UG/L	U	V		
		trans 1 2 DICHLOROETHENE	0 2 UG/L	U	V		
		t s 1 3-DICHLOROPROPENE	0 4 UG/L	U	V		

Well 35691 VOA Ap I J n 1994

Smpl	Nmb	Smpl	Dt	Cmp	d	R	It	U	tM	s	Qual	Vqual	ARAR	# SAM > ARAR
GW00732GA		5 May 94		1 1 1 2 TETRACHLOROETHANE		0 2	UG/L	U		V				
				1 1 1 TRICHLOROETHANE		0 2	UG/L	U		V		200	0	
				1 1 2 2 TETRACHLOROETHANE		0.2	UG/L	U		V				
				1 1 2 TRICHLOROETHANE		0 6	UG/L	U		V				
				1 1 DICHLOROETHANE		0 2	UG/L	U		V		5	0	
				1 1 DICHLOROETHENE		0 2	UG/L	U		V		7	0	
				1 1 DICHLOROPROPENE		0 1	UG/L	U		V				
				1 2 3 TRICHLOROBENZENE		0 2	UG/L	U		V				
				1 2 3-TRICHLOROPROPANE		0 4	UG/L	U		V				
				1 2 4-TRICHLOROBENZENE		0 3	UG/L	U		V				
				1 2 DIBROMOETHANE		0 3	UG/L	U		V				
				1 2 DICHLOROBENZENE		0 2	UG/L	U		V				
				1 2 DICHLOROBENZENE D4		84	%REC			Z				
				1 2 DICHLOROETHANE		0 4	UG/L	U		V		5	0	
				1 2 DICHLOROPROPANE		0 2	UG/L	U		V				
				1 3 DICHLOROBENZENE		0 2	UG/L	U		V				
				1 3-DICHLOROPROPANE		0 2	UG/L	U		V				
				1 4-DICHLOROBENZENE		0 3	UG/L	U		V				
				2 2-DICHLOROPROPANE		0 3	UG/L	U		V				
				4-ISOPROPYLTOluENE		0 2	UG/L	U		V				
				BENZENE		0 2	UG/L	U		V				
				BENZENE 1 2 4-TRIMETHYL		0 2	UG/L	U		V				
				BENZENE 1 3 5-TRIMETHYL		0 2	UG/L	U		V				
				BROMOBENZENE		0 2	UG/L	U		V				
				BROMOCHLOROMETHANE		0 5	UG/L	U		V				
				BROMODICHLOROMETHANE		0 2	UG/L	U		V				
				BROMOFLUOROBENZENE		88	%REC			Z				
				BROMOFORM		0 3	UG/L	U		V				
				BROMOMETHANE		0 5	UG/L	U		V				
				CARBON TETRACHLORIDE		0 3	UG/L	U		V		5	0	
				CHLOROBENZENE		0.2	UG/L	U		V				
				CHLOROETHANE		0 4	UG/L	U		V				
				CHLOROFORM		0 2	UG/L	U		V				
				CHLOROMETHANE		0 4	UG/L	U		V				
				DIBROMOCHLOROMETHANE		0 2	UG/L	U		V				
				DIBROMOMETHANE		0 3	UG/L	U		V				
				DICHLORODIFLUOROMETHANE		0.2	UG/L	U		V				
				ETHYLBENZENE		0.2	UG/L	U		V				
				HEXACHLOROBUTADIENE		0 2	UG/L	U		V				
				ISOPROPYLBENZENE		0.2	UG/L	U		V				
				METHYLENE CHLORIDE		0 2	UG/L	U		V		5	0	
				NAPHTHALENE		0 2	UG/L	U		V				
				PROPANE 1 2-DIBROMO 3-CHLORO		0 4	UG/L	U		R				
				STYRENE		0 2	UG/L	U		V				
				TETRACHLOROETHENE		0 2	UG/L	U		V		5	0	
				TOLUENE		0.2	UG/L	U		V		2000	0	
				TRICHLOROETHENE		0.2	UG/L	U		V		5	0	
				TRICHLOROFLUOROMETHANE		0 3	UG/L	U		V				
				VINYL CHLORIDE		0.2	UG/L	U		V				
				cis 1 2-DICHLOROETHENE		0 2	UG/L	U		V				
				cis 1 3-DICHLOROPROPENE		0 2	UG/L	U		V				
				m p XYLENE		0 3	UG/L	U		V				
				n-BUTYLBENZENE		0 2	UG/L	U		V				
				n PROPYLBENZENE		0 2	UG/L	U		V				
				o-CHLOROTOLUENE		0 3	UG/L	U		V				
				o-XYLENE		0 2	UG/L	U		V				
				p-CHLOROTOLUENE		0 2	UG/L	U		V				
				sec-BUTYLBENZENE		0 2	UG/L	U		V				
				tert BUTYLBENZENE		0 2	UG/L	U		V				
				trans-1 2 DICHLOROETHENE		0 2	UG/L	U		V				
				trans 1 3 DICHLOROPROPENE		0 4	UG/L	U		V				

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Sampi	N mb	Sampl Date	Comp d	R it	U it	Mes	Q al	Vqual	ARAR	# SAM > ARAR
GW00617GA		19-May 94	1 1 1,2 TETRACHLOROETHANE	0 2	UG/L		U	V		
			1 1 1 TRICHLOROETHANE	0 2	UG/L		U	V	200	0
			1 1 2 2 TETRACHLOROETHANE	0 2	UG/L		U	V		
			1 1 2 TRICHLOROETHANE	0 6	UG/L		U	V		
			1 1 DICHLOROETHANE	0.2	UG/L		U	V	5	0
			1 1 DICHLOROETHENE	0 2	UG/L		U	V	7	0
			1 1 DICHLOROPROPENE	0 1	UG/L		U	V		
			1,2 3-TRICHLOROBENZENE	0 2	UG/L		U	V		
			1,2 3-TRICHLOROPROPANE	0 4	UG/L		U	J		
			1 2 4-TRICHLOROBENZENE	0 3	UG/L		U	V		
			1 2 DIBROMOETHANE	0 3	UG/L		U	V		
			1 2 DICHLOROBENZENE	0.2	UG/L		U	V		
			1 2 DICHLOROBENZENE D4	108	%REC			Z		
			1 2 DICHLOROETHANE	0 4	UG/L		U	V	5	0
			1 2 DICHLOROPROPANE	0 2	UG/L		U	V		
			1 3-DICHLOROBENZENE	0 2	UG/L		U	V		
			1 3 DICHLOROPROPANE	0 2	UG/L		U	V		
			1 4-DICHLOROBENZENE	0 3	UG/L		U	V		
			2 2-DICHLOROPROPANE	0 3	UG/L		U	V		
			4-ISOPROPYLTOLEUNE	0 2	UG/L		U	V		
			BENZENE	0 2	UG/L		U	V		
			BENZENE 1 2 4-TRIMETHYL	0.2	UG/L		U	V		
			BENZENE 1 3 5-TRIMETHYL	0 2	UG/L		U	V		
			BROMOBENZENE	0 2	UG/L		U	V		
			BROMOCHLOROMETHANE	0 5	UG/L		U	V		
			BROMODICHLOROMETHANE	0 2	UG/L		U	V		
			BROMOFLUOROBENZENE	108	%REC			Z		
			BROMOFORM	0 3	UG/L		U	V		
			BROMOMETHANE	0 5	UG/L		U	V		
			CARBON TETRACHLORIDE	0 3	UG/L		U	V	5	0
			CHLOROBENZENE	0 2	UG/L		U	V		
			CHLOROETHANE	0 4	UG/L		U	V		
			CHLOROFORM	0 2	UG/L		U	V		
			CHLOROMETHANE	0 4	UG/L		U	V		
			DIBROMOCHLOROMETHANE	0 2	UG/L		U	V		
			DIBROMOMETHANE	0 3	UG/L		U	V		
			DICHLORODIFLUOROMETHANE	0 2	UG/L		U	V		
			ETHYLBENZENE	0 2	UG/L		U	V		
			HEXACHLOROBUTADIENE	0 2	UG/L		U	V		
			ISOPROPYLBENZENE	0 2	UG/L		U	V		
			METHYLENE CHLORIDE	1	UG/L			V	5	0
			NAPHTHALENE	0 2	UG/L		U	J		
			PROPANE 1 2-DIBROMO-3-CHLORO	0 4	UG/L		U	R		
			STYRENE	0 2	UG/L		U	V		
			TETRACHLOROETHENE	0 6	UG/L			V	5	0
			TOLUENE	0 2	UG/L		U	V	2000	0
			TRICHLOROETHENE	0 2	UG/L		U	V	5	0
			TRICHLOROFLUOROMETHANE	0 3	UG/L		U	V		
			VINYL CHLORIDE	0 2	UG/L		U	V		
			cis 1 2-DICHLOROETHENE	0 2	UG/L		U	V		
			cis 1 3 DICHLOROPROPENE	0 2	UG/L		U	V		
			m p XYLENE	0 3	UG/L		U	V		
			n-BUTYLBENZENE	0 2	UG/L		U	V		
			n-PROPYLBENZENE	0 2	UG/L		U	V		
			o-CHLOROTOLUENE	0 3	UG/L		U	V		
			o-XYLENE	0 2	UG/L		U	V		
			p-CHLOROTOLUENE	0 2	UG/L		U	V		
			sec-BUTYLBENZENE	0.2	UG/L		U	V		
			t rt BUTYLBENZENE	0 2	UG/L		U	V		
			trans 1 2 DICHLOROETHENE	0 2	UG/L		U	V		
			trans 1 3-DICHLOROPROPENE	0 4	UG/L		U	V		

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Sampi	Numb	Sample Date	Compound	Res	It	Unit	Mass	Qual	Vqual	ARAR	# SAM > ARAR
GW00592GA		20 Apr 94	1 1 1 2 TETRACHLOROETHANE	0.2	UG/L	U		V			
			1 1 1 TRICHLOROETHANE	0.2	UG/L	U		V		200	0
			1 1 2 2 TETRACHLOROETHANE	0.2	UG/L	U		V			
			1 1 2 TRICHLOROETHANE	0.6	UG/L	U		V			
			1 1 DICHLOROETHANE	0.2	UG/L	U		V		5	0
			1 1 DICHLOROETHENE	0.2	UG/L	U		V		7	0
			1 1 DICHLOROPROPENE	0.1	UG/L	U		V			
			1 2 3-TRICHLOROBENZENE	0.2	UG/L	U		V			
			1,2 3 TRICHLOROPROPANE	0.4	UG/L	U		V			
			1 2 4-TRICHLOROBENZENE	0.3	UG/L	U		V			
			1 2 DIBROMOETHANE	0.3	UG/L	U		V			
			1 2 DICHLOROBENZENE	0.2	UG/L	U		V			
			1 2 DICHLOROBENZENE D4	92	%REC			Z			
			1 2 DICHLOROETHANE	0.4	UG/L	U		V		5	0
			1 2 DICHLOROPROPANE	0.2	UG/L	U		V			
			1 3-DICHLOROBENZENE	0.2	UG/L	U		V			
			1 3-DICHLOROPROPANE	0.2	UG/L	U		V			
			1 4-DICHLOROBENZENE	0.3	UG/L	U		V			
			2 2-DICHLOROPROPANE	0.3	UG/L	U		V			
			4-ISOPROPYLTOLEUNE	0.2	UG/L	U		V			
			BENZENE	0.2	UG/L	U		V			
			BENZENE 1 2 4-TRIMETHYL	0.2	UG/L	U		V			
			BENZENE 1 3 5-TRIMETHYL	0.2	UG/L	U		V			
			BROMOBENZENE	0.2	UG/L	U		V			
			BROMOCHLOROMETHANE	0.5	UG/L	U		V			
			BROMODICHLOROMETHANE	0.2	UG/L	U		V			
			BROMOFLUOROBENZENE	90	%REC			Z			
			BROMOFORM	0.3	UG/L	U		V			
			BROMOMETHANE	0.5	UG/L	U		V			
			CARBON TETRACHLORIDE	0.3	UG/L	U		V		5	0
			CHLOROBENZENE	0.2	UG/L	U		V			
			CHLOROETHANE	0.4	UG/L	U		V			
			CHLOROFORM	0.2	UG/L	U		V			
			CHLOROMETHANE	0.4	UG/L	U		V			
			DIBROMOCHLOROMETHANE	0.2	UG/L	U		V			
			DIBROMOMETHANE	0.3	UG/L	U		V			
			DICHLORODIFLUOROMETHANE	0.2	UG/L	U		V			
			ETHYLBENZENE	0.2	UG/L	U		V			
			HEXACHLOROBUTADIENE	0.2	UG/L	U		V			
			ISOPROPYLBENZENE	0.2	UG/L	U		V			
			METHYLENE CHLORIDE	0.2	UG/L	U		V		5	0
			NAPHTHALENE	0.2	UG/L	U		V			
			PROPANE 1 2-DIBROMO-3-CHLORO	0.4	UG/L	U		R			
			STYRENE	0.2	UG/L	U		V			
			TETRACHLOROETHENE	0.2	UG/L	U		V		5	0
			TOLUENE	0.2	UG/L	U		V		2000	0
			TRICHLOROETHENE	0.2	UG/L	U		V		5	0
			TRICHLOROFLUOROMETHANE	0.3	UG/L	U		V			
			VINYL CHLORIDE	0.2	UG/L	U		V			
			cis-1 2 DICHLOROETHENE	0.2	UG/L	U		V			
			cis 1 3-DICHLOROPROPENE	0.2	UG/L	U		V			
			m p XYLENE	0.3	UG/L	U		V			
			n-BUTYLBENZENE	0.2	UG/L	U		V			
			n-PROPYLBENZENE	0.2	UG/L	U		V			
			o-CHLOROTOLUENE	0.3	UG/L	U		V			
			o-XYLENE	0.2	UG/L	U		V			
			p-CHLOROTOLUENE	0.2	UG/L	U		V			
			sec-BUTYLBENZENE	0.2	UG/L	U		V			
			tert BUTYLBENZENE	0.2	UG/L	U		V			
			trans 1 2 DICHLOROETHENE	0.2	UG/L	U		V			
			trans 1 3-DICHLOROPROPENE	0.4	UG/L	U		V			

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Smpl	Nmb	Smpl	Dt	Cmp	d	R	It	U	tM	Qu	I	Vqual	ARAR	# SAM > ARAR
GW00591GA		20 Apr 94		1 1 1 2 TETRACHLOROETHANE		0 2	UG/L	U	V					
				1 1 1 TRICHLOROETHANE		0 2	UG/L	U	V			200	0	
				1 1 2,2 TETRACHLOROETHANE		0 2	UG/L	U	V					
				1 1 2 TRICHLOROETHANE		0 6	UG/L	U	V			5	0	
				1 1-DICHLOROETHANE		0 2	UG/L	U	V			7	0	
				1 1 DICHLOROETHENE		0 2	UG/L	U	V					
				1 1-DICHLOROPROPENE		0 1	UG/L	U	V					
				1 2 3-TRICHLOROBENZENE		0 2	UG/L	U	V					
				1 2 3-TRICHLOROPROPANE		0 4	UG/L	U	V					
				1 2 4-TRICHLOROBENZENE		0 3	UG/L	U	V					
				1 2 DIBROMOETHANE		0 3	UG/L	U	V					
				1 2 DICHLOROBENZENE		0 2	UG/L	U	V					
				1 2 DICHLOROBENZENE D4		89 %REC			Z					
				1 2 DICHLOROETHANE		0 4	UG/L	U	V		5		0	
				1 2-DICHLOROPROPANE		0 2	UG/L	U	V					
				1 3 DICHLOROBENZENE		0 2	UG/L	U	V					
				1 3 DICHLOROPROPANE		0 2	UG/L	U	V					
				1 4-DICHLOROBENZENE		0 3	UG/L	U	V					
				2 2-DICHLOROPROPANE		0 3	UG/L	U	V					
				4-ISOPROPYLTOLEUNE		0 2	UG/L	U	V					
				BENZENE		0.2	UG/L	U	V					
				BENZENE 1,2 4-TRIMETHYL		0 2	UG/L	U	V					
				BENZENE 1 3 5-TRIMETHYL		0.2	UG/L	U	V					
				BROMOBENZENE		0 2	UG/L	U	V					
				BROMOCHLOROMETHANE		0 5	UG/L	U	V					
				BROMODICHLOROMETHANE		0 2	UG/L	U	V					
				BROMOFLUOROBENZENE		88 %REC			Z					
				BROMOFORM		0 3	UG/L	U	V					
				BROMOMETHANE		0 5	UG/L	U	V					
				CARBON TETRACHLORIDE		0 3	UG/L	U	V		5		0	
				CHLOROBENZENE		0 2	UG/L	U	V					
				CHLOROETHANE		0 4	UG/L	U	V					
				CHLOROFORM		0 2	UG/L	U	V					
				CHLOROMETHANE		0 4	UG/L	U	V					
				DIBROMOCHLOROMETHANE		0 2	UG/L	U	V					
				DIBROMOMETHANE		0 3	UG/L	U	V					
				DICHLORODIFLUOROMETHANE		0 2	UG/L	U	V					
				ETHYLBENZENE		0 2	UG/L	U	V					
				HEXACHLOROBUTADIENE		0 2	UG/L	U	V					
				ISOPROPYLBENZENE		0 2	UG/L	U	V					
				METHYLENE CHLORIDE		0 2	UG/L	U	V		5		0	
				NAPHTHALENE		0 2	UG/L	U	V					
				PROPANE 1 2-DIBROMO-3-CHLORO		0 4	UG/L	U	R					
				STYRENE		0 2	UG/L	U	V					
				TETRACHLOROETHENE		0 2	UG/L	U	V		5		0	
				TOLUENE		0.2	UG/L	U	V		2000		0	
				TRICHLOROETHENE		0 2	UG/L	U	V		5		0	
				TRICHLOROFLUOROMETHANE		0 3	UG/L	U	V					
				VINYL CHLORIDE		0.2	UG/L	U	V					
				cis 1,2 DICHLOROETHENE		0 2	UG/L	U	V					
				cis 1 3-DICHLOROPROPENE		0 2	UG/L	U	V					
				m p XYLENE		0 3	UG/L	U	V					
				n BUTYLBENZENE		0 2	UG/L	U	V					
				n-PROPYLBENZENE		0 2	UG/L	U	V					
				o-CHLOROTOLUENE		0 3	UG/L	U	V					
				o-XYLENE		0 2	UG/L	U	V					
				p-CHLOROTOLUENE		0 2	UG/L	U	V					
				sec-BUTYLBENZENE		0 2	UG/L	U	V					
				tert BUTYLBENZENE		0 2	UG/L	U	V					
				trans 1 2 DICHLOROETHENE		0 2	UG/L	U	V					
				trans 1 3 DICHLOROPROPENE		0 4	UG/L	U	V					

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Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW00590GA	20-Apr 94	1 1 1 2 TETRACHLOROETHANE	0.2	UG/L	U	V		
		1 1 1 TRICHLOROETHANE	0.2	UG/L	U	V	200	0
		1 1 2 2 TETRACHLOROETHANE	0.2	UG/L	U	V		
		1 1 2 TRICHLOROETHANE	0.6	UG/L	U	V		
		1 1 DICHLOROETHANE	0.2	UG/L	U	V	5	0
		1 1 DICHLOROETHENE	0.2	UG/L	U	V	7	0
		1 1 DICHLOROPROPENE	0.1	UG/L	U	V		
		1 2 3 TRICHLOROBENZENE	0.2	UG/L	U	V		
		1 2 3 TRICHLOROPROPANE	0.4	UG/L	U	V		
		1 2 4-TRICHLOROBENZENE	0.3	UG/L	U	V		
		1 2-DIBROMOETHANE	0.3	UG/L	U	V		
		1 2-DICHLOROBENZENE	0.2	UG/L	U	V		
		1,2 DICHLOROBENZENE-D4	85 %REC		Z			
		1 2 DICHLOROETHANE	0.4	UG/L	U	V	5	0
		1 2 DICHLOROPROPANE	0.2	UG/L	U	V		
		1 3-DICHLOROBENZENE	0.2	UG/L	U	V		
		1 3 DICHLOROPROPANE	0.2	UG/L	U	V		
		1 4-DICHLOROBENZENE	0.3	UG/L	U	V		
		2 2-DICHLOROPROPANE	0.3	UG/L	U	V		
		4-ISOPROPYLtolUENE	0.2	UG/L	U	V		
		BENZENE	0.2	UG/L	U	V		
		BENZENE 1 2 4-TRIMETHYL	0.2	UG/L	U	V		
		BENZENE 1 3 5-TRIMETHYL	0.2	UG/L	U	V		
		BROMOBENZENE	0.2	UG/L	U	V		
		BROMOCHLOROMETHANE	0.5	UG/L	U	V		
		BROMODICHLOROMETHANE	0.2	UG/L	U	V		
		BROMOFLUOROBENZENE	91 %REC		Z			
		BROMOFORM	0.3	UG/L	U	V		
		BROMOMETHANE	0.5	UG/L	U	V		
		CARBON TETRACHLORIDE	0.3	UG/L	U	V	5	0
		CHLOROBENZENE	0.2	UG/L	U	V		
		CHLOROETHANE	0.4	UG/L	U	V		
		CHLOROFORM	0.2	UG/L	U	V		
		CHLOROMETHANE	0.4	UG/L	U	V		
		DIBROMOCHLOROMETHANE	0.2	UG/L	U	V		
		DIBROMOMETHANE	0.3	UG/L	U	V		
		DICHLORODIFLUOROMETHANE	0.2	UG/L	U	V		
		ETHYLBENZENE	0.2	UG/L	U	V		
		HEXACHLOROBUTADIENE	0.2	UG/L	U	V		
		ISOPROPYLBENZENE	0.2	UG/L	U	V		
		METHYLENE CHLORIDE	0.2	UG/L	U	V	5	0
		NAPHTHALENE	0.2	UG/L	U	V		
		PROPANE, 1,2 DIBROMO-3-CHLORO	0.4	UG/L	U	R		
		STYRENE	0.2	UG/L	U	V		
		TETRACHLOROETHENE	0.6	UG/L		V	5	0
		TOLUENE	4	UG/L		V	2000	0
		TRICHLOROETHENE	0.2	UG/L	U	V	5	0
		TRICHLOROFLUOROMETHANE	0.3	UG/L	U	V		
		UNKNOWN	0.66	UG/L	J	Z		
		VINYL CHLORIDE	0.2	UG/L	U	V		
		cis 1,2 DICHLOROETHENE	0.2	UG/L	U	V		
		cis 1 3-DICHLOROPROPENE	0.2	UG/L	U	V		
		m-p XYLENE	0.3	UG/L	U	V		
		n-BUTYLBENZENE	0.2	UG/L	U	V		
		n-PROPYLBENZENE	0.2	UG/L	U	V		
		o-CHLOROTOLUENE	0.3	UG/L	U	V		
		o-XYLENE	0.2	UG/L	U	V		
		p-CHLOROTOLUENE	0.2	UG/L	U	V		
		sec BUTYLBENZENE	0.2	UG/L	U	V		
		tert BUTYLBENZENE	0.2	UG/L	U	V		
		trans 1 2 DICHLOROETHENE	0.2	UG/L	U	V		
		trans 1 3 DICHLOROPROPENE	0.4	UG/L	U	V		

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Sample Number	Sample Date	Compound	Re It	Unit Mea	Qual	Vq al	ARAR	# SAM > ARAR
GW00589GA	20-Apr 94	1 1 1 2 TETRACHLOROETHANE		0 2 UG/L	U	V		
		1 1 1 TRICHLOROETHANE		0 2 UG/L	U	V	200	0
		1 1 2 2 TETRACHLOROETHANE		0 2 UG/L	U	V		
		1 1,2 TRICHLOROETHANE		0 6 UG/L	U	V		
		1 1 DICHLOROETHANE		0 2 UG/L	U	V	5	0
		1 1 DICHLOROETHENE		0 2 UG/L	U	V	7	0
		1 1 DICHLOROPROPENE		0 1 UG/L	U	V		
		1 2 3 TRICHLOROBENZENE		0 2 UG/L	U	V		
		1 2 3-TRICHLOROPROPANE		0 4 UG/L	U	V		
		1 2 4-TRICHLOROBENZENE		0 3 UG/L	U	V		
		1 2 DIBROMOETHANE		0 3 UG/L	U	V		
		1 2 DICHLOROBENZENE		0 2 UG/L	U	V		
		1 2 DICHLOROBENZENE D4		81 %REC		Z		
		1 2 DICHLOROETHANE		0 4 UG/L	U	V	5	0
		1 2 DICHLOROPROPANE		0 2 UG/L	U	V		
		1 3-DICHLOROBENZENE		0 2 UG/L	U	V		
		1 3 DICHLOROPROPANE		0 2 UG/L	U	V		
		1 4-DICHLOROBENZENE		0 3 UG/L	U	V		
		2 2 DICHLOROPROPANE		0 3 UG/L	U	V		
		4-ISOPROPYLtolUENE		0 2 UG/L	U	V		
		BENZENE		0 2 UG/L	U	V		
		BENZENE 1 2 4-TRIMETHYL		0 2 UG/L	U	V		
		BENZENE 1 3 5-TRIMETHYL		0 2 UG/L	U	V		
		BROMOBENZENE		0 2 UG/L	U	V		
		BROMOCHLOROMETHANE		0 5 UG/L	U	V		
		BROMODICHLOROMETHANE		0 2 UG/L	U	V		
		BROMOFLUOROBENZENE		91 %REC		Z		
		BROMOFORM		0 3 UG/L	U	V		
		BROMOMETHANE		0 5 UG/L	U	V		
		CARBON TETRACHLORIDE		0 3 UG/L	U	V	5	0
		CHLOROBENZENE		0 2 UG/L	U	V		
		CHLOROETHANE		0 4 UG/L	U	V		
		CHLOROFORM		0 2 UG/L	U	V		
		CHLORMETHANE		0 4 UG/L	U	V		
		DIBROMOCHLOROMETHANE		0 2 UG/L	U	V		
		DIBROMOMETHANE		0 3 UG/L	U	V		
		DICHLORODIFLUOROMETHANE		0 2 UG/L	U	V		
		ETHYLBENZENE		0 2 UG/L	U	V		
		HEXACHLOROBUTADIENE		0 2 UG/L	U	V		
		ISOPROPYLBENZENE		0 2 UG/L	U	V		
		METHYLENE CHLORIDE		0 2 UG/L	U	V	5	0
		NAPHTHALENE		0 2 UG/L	U	V		
		PROPANE 1 2-DIBROMO 3-CHLORO		0 4 UG/L	U	R		
		STYRENE		0 2 UG/L	U	V		
		TETRACHLOROETHENE		0 2 UG/L	U	V	5	0
		TOLUENE		0 2 UG/L	U	V	2000	0
		TRICHLOROETHENE		0 2 UG/L	U	V	5	0
		TRICHLOROFLUOROMETHANE		0 3 UG/L	U	V		
		VINYL CHLORIDE		0 2 UG/L	U	V		
		cis 1 2 DICHLOROETHENE		0 2 UG/L	U	V		
		cis-1 3 DICHLOROPROPENE		0 2 UG/L	U	V		
		m p XYLENE		0 3 UG/L	U	V		
		n-BUTYLBENZENE		0 2 UG/L	U	V		
		n-PROPYLBENZENE		0 2 UG/L	U	V		
		o-CHLOROTOLUENE		0 3 UG/L	U	V		
		o-XYLENE		0 2 UG/L	U	V		
		p-CHLOROTOLUENE		0 2 UG/L	U	V		
		sec BUTYLBENZENE		0 2 UG/L	U	V		
		tert BUTYLBENZENE		0 2 UG/L	U	V		
		trans 1 2 DICHLOROETHENE		0 2 UG/L	U	V		
		tra s 1 3-DICHLOROPROPENE		0 4 UG/L	U	V		

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Smpl N mbe	Smpl Date	Compo nd	Res It	Unit M	Q al	Vqu i	ARAR	# SAM > ARAR
GW00588GA	20-Apr 94	1 1 1 2 TETRACHLOROETHANE	0 2	UG/L	U	V		
		1 1 1 TRICHLOROETHANE	0 2	UG/L	U	V	200	0
		1 1 2 2 TETRACHLOROETHANE	0 2	UG/L	U	V		
		1 1 2 TRICHLOROETHANE	0 6	UG/L	U	V		
		1 1 DICHLOROETHANE	0 2	UG/L	U	V	5	0
		1 1 DICHLOROETHENE	0 2	UG/L	U	V	7	0
		1 1 DICHLOROPROPENE	0 1	UG/L	U	V		
		1 2 3 TRICHLOROBENZENE	0 2	UG/L	U	V		
		1 2 3 -TRICHLOROPROPANE	0 4	UG/L	U	V		
		1 2 4 -TRICHLOROBENZENE	0 3	UG/L	U	V		
		1 2 DIBROMOETHANE	0 3	UG/L	U	V		
		1 2 DICHLOROBENZENE	0 2	UG/L	U	V		
		1 2 DICHLOROBENZENE D4	85 %REC		Z			
		1 2 DICHLOROETHANE	0 4	UG/L	U	V	5	0
		1 2 DICHLOROPROPANE	0 2	UG/L	U	V		
		1 3 DICHLOROBENZENE	0 2	UG/L	U	V		
		1 3 -DICHLOROPROPANE	0 2	UG/L	U	V		
		1 4 -DICHLOROBENZENE	0 3	UG/L	U	V		
		2 2 DICHLOROPROPANE	0 3	UG/L	U	V		
		4-ISOPROPYLTOLEUNE	0 2	UG/L	U	V		
		BENZENE	0.2	UG/L	U	V		
		BENZENE, 1 2 4 -TRIMETHYL	0 2	UG/L	U	V		
		BENZENE 1 3 5 -TRIMETHYL	0 2	UG/L	U	V		
		BROMOBENZENE	0 2	UG/L	U	V		
		BROMOCHLOROMETHANE	0 5	UG/L	U	V		
		BROMODICHLOROMETHANE	0 2	UG/L	U	V		
		BROMOFLUOROBENZENE	82 %REC		Z			
		BROMOFORM	0 3	UG/L	U	V		
		BROMOMETHANE	0 5	UG/L	U	V		
		CARBON TETRACHLORIDE	0 3	UG/L	U	V	5	0
		CHLOROBENZENE	0 2	UG/L	U	V		
		CHLOROETHANE	0 4	UG/L	U	V		
		CHLOROFORM	0.2	UG/L	U	V		
		CHLOROMETHANE	0 4	UG/L	U	V		
		DIBROMOCHLOROMETHANE	0 2	UG/L	U	V		
		DIBROMOMETHANE	0 3	UG/L	U	V		
		DICHLORODIFLUOROMETHANE	0 2	UG/L	U	V		
		ETHYLBENZENE	0.2	UG/L	U	V		
		HEXACHLOROBUTADIENE	0 2	UG/L	U	V		
		ISOPROPYLBENZENE	0 2	UG/L	U	V		
		METHYLENE CHLORIDE	0 2	UG/L	U	V	5	0
		NAPHTHALENE	0 2	UG/L	U	V		
		PROPANE 1 2 DIBROMO-3-CHLORO	0 4	UG/L	R			
		STYRENE	0 2	UG/L	U	V		
		TETRACHLOROETHENE	0 2	UG/L	U	V	5	0
		TOLUENE	0 2	UG/L	U	V	2000	0
		TRICHLOROETHENE	0 2	UG/L	U	V	5	0
		TRICHLOROFLUOROMETHANE	0 3	UG/L	U	V		
		VINYL CHLORIDE	0 2	UG/L	U	V		
		cis 1 2 DICHLOROETHENE	0 2	UG/L	U	V		
		cis 1 3-DICHLOROPROPENE	0.2	UG/L	U	V		
		m p XYLENE	0 3	UG/L	U	V		
		BUTYLBENZENE	0.2	UG/L	U	V		
		n-PROPYLBENZENE	0 2	UG/L	U	V		
		o-CHLOROTOLUENE	0 3	UG/L	U	V		
		o-XYLENE	0 2	UG/L	U	V		
		p-CHLOROTOLUENE	0 2	UG/L	U	V		
		sec-BUTYLBENZENE	0 2	UG/L	U	V		
		tert BUTYLBENZENE	0 2	UG/L	U	V		
		trans 1 2 DICHLOROETHENE	0 2	UG/L	U	V		
		trans 1 3 DICHLOROPROPENE	0 4	UG/L	U	V		

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Sampl N	mb	Smpl D t	C mpou d	Res It	U 't M	Q. al	Vq al	ARAR	# SAM > ARAR
GW00587GA		20 Apr 94	1 1 1 2 TETRACHLOROETHANE	0 2	UG/L	U	V		
			1 1 1 TRICHLOROETHANE	0 2	UG/L	U	V	200	0
			1 1 2 2 TETRACHLOROETHANE	0 2	UG/L	U	V		
			1 1 2 TRICHLOROETHANE	0 6	UG/L	U	V		
			1 1 DICHLOROETHANE	0 2	UG/L	U	V	5	0
			1 1 DICHLOROETHENE	0.2	UG/L	U	V	7	0
			1 1-DICHLOROPROPENE	0 1	UG/L	U	V		
			1 2 3-TRICHLOROBENZENE	0 2	UG/L	U	V		
			1 2 3-TRICHLOROPROPANE	0 4	UG/L	U	V		
			1 2 4-TRICHLOROBENZENE	0 3	UG/L	U	V		
			1 2 DIBROMOETHANE	0 3	UG/L	U	V		
			1 2 DICHLOROBENZENE	0.2	UG/L	U	V		
			1 2 DICHLOROBENZENE D4	83 %REC		Z			
			1 2 DICHLOROETHANE	0 4	UG/L	U	V	5	0
			1 2 DICHLOROPROPANE	0 2	UG/L	U	V		
			1 3-DICHLOROBENZENE	0 2	UG/L	U	V		
			1 3-DICHLOROPROPANE	0 2	UG/L	U	V		
			1 4-DICHLOROBENZENE	0 3	UG/L	U	V		
			2 2 DICHLOROPROPANE	0 3	UG/L	U	V		
			4-ISOPROPYLTOLEUNE	0 2	UG/L	U	V		
			BENZENE	0 2	UG/L	U	V		
			BENZENE 1 2 4-TRIMETHYL	0 2	UG/L	U	V		
			BENZENE 1 3 5-TRIMETHYL	0 2	UG/L	U	V		
			BROMOBENZENE	0 2	UG/L	U	V		
			BROMOCHLOROMETHANE	0 5	UG/L	U	V		
			BROMODICHLOROMETHANE	0 2	UG/L	U	V		
			BROMOFLUOROBENZENE	80 %REC		Z			
			BROMOFORM	0 3	UG/L	U	V		
			BROMOMETHANE	0 5	UG/L	U	V		
			CARBON TETRACHLORIDE	0 3	UG/L	U	V	5	0
			CHLOROBENZENE	0 2	UG/L	U	V		
			CHLOROETHANE	0 4	UG/L	U	V		
			CHLOROFORM	0.2	UG/L	U	V		
			CHLOROMETHANE	0 4	UG/L	U	V		
			DIBROMOCHLOROMETHANE	0 2	UG/L	U	V		
			DIBROMOMETHANE	0 3	UG/L	U	V		
			DICHLORODIFLUOROMETHANE	0 2	UG/L	U	V		
			ETHYLBENZENE	0 2	UG/L	U	V		
			HEXACHLOROBUTADIENE	0 2	UG/L	U	V		
			ISOPROPYLBENZENE	0.2	UG/L	U	V		
			METHYLENE CHLORIDE	0 2	UG/L	U	V	5	0
			NAPHTHALENE	0 2	UG/L	U	V		
			PROPANE 1,2 DIBROMO 3-CHLORO	0 4	UG/L	U	R		
			STYRENE	0 2	UG/L	U	V		
			TETRACHLOROETHENE	0 2	UG/L	U	V	5	0
			TOLUENE	0 2	UG/L	U	V	2000	0
			TRICHLOROETHENE	0 2	UG/L	U	V	5	0
			TRICHLOROFLUOROMETHANE	0 3	UG/L	U	V		
			VINYL CHLORIDE	0 2	UG/L	U	V		
			cis 1 2 DICHLOROETHENE	0.2	UG/L	U	V		
			cis 1 3-DICHLOROPROPENE	0 2	UG/L	U	V		
			m p XYLENE	0 3	UG/L	U	V		
			n-BUTYLBENZENE	0 2	UG/L	U	V		
			n PROPYLBENZENE	0 2	UG/L	U	V		
			o-CHLOROTOLUENE	0 3	UG/L	U	V		
			o-XYLENE	0 2	UG/L	U	V		
			p-CHLOROTOLUENE	0 2	UG/L	U	V		
			sec-BUTYLBENZENE	0 2	UG/L	U	V		
			tert BUTYLBENZENE	0 2	UG/L	U	V		
			trans 1 2 DICHLOROETHENE	0 2	UG/L	U	V		
			trans 1 3 DICHLOROPROPENE	0 4	UG/L	U	V		

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S mple N mb	S mpl D t	C mpo d	R	It	U	It M as	Q al	Vq	I	ARAR	# SAM > ARAR
FT10211RG	12 Apr 94	1,2,4-TRICHLOROBENZENE		10	UG/L		U	V			
		1,2-DICHLOROBENZENE		10	UG/L		U	V			
		1,3-DICHLOROBENZENE		10	UG/L		U	V			
		1,4-DICHLOROBENZENE		10	UG/L		U	V			
		2,4,5-TRICHLOROPHENOL		50	UG/L		U	V			
		2,4,6-TRIBROMOPHENOL		64	REC			Z			
		2,4,6-TRICHLOROPHENOL		10	UG/L		U	V			
		2,4-DICHLOROPHENOL		10	UG/L		U	V			
		2,4-DIMETHYLPHENOL		10	UG/L		U	V			
		2,4-DINITROPHENOL		50	UG/L		U	V			
		2,4-DINITROTOLUENE		10	UG/L		U	V			
		2,6-DINITROTOLUENE		10	UG/L		U	V			
		2-CHLORONAPHTHALENE		10	UG/L		U	V			
		2-CHLOROPHENOL		10	UG/L		U	V			
		2-Cyclohexen-1-ol		87	UG/L		BJ	Z			
		2-Cyclohexen-1-one		97	UG/L		BJ	Z			
		2-FLUOROBIPHENYL		68	REC			Z			
		2-METHYLNAPHTHALENE		10	UG/L		U	V			
		2-METHYLPHENOL		10	UG/L		U	V			
		2-NITROANILINE		50	UG/L		U	V			
		2-NITROPHENOL		10	UG/L		U	V			
		3,3-DICHLOROBENZIDINE		20	UG/L		U	V			
		3-NITROANILINE		50	UG/L		U	V			
		4,6-DINITRO-2-METHYLPHENOL		50	UG/L		U	V			
		4-CHLORO-3-METHYLPHENOL		10	UG/L		U	V			
		4-CHLOROANILINE		10	UG/L		U	V			
		4-CHLOROPHENYL PHENYL ETHER		10	UG/L		U	V			
		4-METHYLPHENOL		10	UG/L		U	V			
		4-NITROANILINE		50	UG/L		U	V			
		4-NITROPHENOL		50	UG/L		U	V			
		ACENAPHTHENE		10	UG/L		U	V			
		ACENAPHTHYLENE		10	UG/L		U	V			
		ANTHRACENE		10	UG/L		U	V			
		BENZO(a)ANTHRACENE		10	UG/L		U	V			
		BENZO(a)PYRENE		10	UG/L		U	V			
		BENZO(b)FLUORANTHENE		10	UG/L		U	V			
		BENZO(gh)PERYLENE		10	UG/L		U	V			
		BENZO(k)FLUORANTHENE		10	UG/L		U	V			
		BENZOIC ACID		50	UG/L		U	V			
		BENZYL ALCOHOL		10	UG/L		U	V			
		BIS(2-CHLOROETHOXY)METHANE		10	UG/L		U	V			
		BIS(2-CHLOROETHYL)ETHER		10	UG/L		U	V			
		BIS(2-CHLOROISOPROPYL)ETHER		10	UG/L		U	V			
		BIS(2-ETHYLHEXYL)PHTHALATE		10	UG/L		U	V			
		BUTYL BENZYL PHTHALATE		10	UG/L		U	V			
		CHRYSENE		10	UG/L		U	V			
		DI-n-BUTYL PHTHALATE		10	UG/L		U	V			
		DI-n-OCTYL PHTHALATE		10	UG/L		U	V			
		DIBENZO(a,h)ANTHRACENE		10	UG/L		U	V			
		DIBENZOFURAN		10	UG/L		U	V			
		DIETHYL PHTHALATE		10	UG/L		U	V			
		DIMETHYL PHTHALATE		10	UG/L		U	V			
		FLUORANTHENE		10	UG/L		U	V			
		FLUORENE		10	UG/L		U	V			
		HEXACHLOROBENZENE		10	UG/L		U	V			
		HEXACHLOROBUTADIENE		10	UG/L		U	V			
		HEXACHLOROCYCLOPENTADIENE		10	UG/L		U	V			
		HEXACHLOROETHANE		10	UG/L		U	V			
		INDENO(1,2,3-cd)PYRENE		10	UG/L		U	V			
		ISOPHORONE		10	UG/L		U	V			
		N-NITROSO-DI-n-PROPYLAMINE		10	UG/L		U	V			

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Smpl N mb	Smp Date	Compo d	Result	Unit Mea	Qual	Vqual	ARAR	# SAM > ARAR
FT10211RG	12 Apr 94	N NITROSODIPHENYLAMINE	10	UG/L	U	V		
		NAPHTHALENE	10	UG/L	U	V		
		NITROBENZENE	10	UG/L	U	V		
		NITROBENZENE D5	69	%REC		Z		
		PENTACHLOROPHENOL	50	UG/L	U	V		
		PHENANTHRENE	10	UG/L	U	V		
		PHENOL	10	UG/L	U	V		
		PHENOL D5	77	%REC		Z		
		PYRENE	10	UG/L	U	V		
		TERPHENYL D14	80	%REC		Z		
		o-FLUOROPHENOL	79	%REC		Z		
		p-BROMODIPHENYL ETHER	10	UG/L	U	V		
FT10223RG	20 Ap 94	1 1 1 TRICHLOROETHANE	5	UG/L	U	V	200	0
		1 1 2,2 TETRACHLOROETHANE	5	UG/L	U	V		
		1 1 2 TRICHLOROETHANE	5	UG/L	U	V		
		1 1-DICHLOROETHANE	5	UG/L	U	V	5	0
		1 1 DICHLOROETHENE	5	UG/L	U	V	7	0
		1 2 DICHLOROETHANE D4	100	%REC		Z		
		1,2-DICHLOROETHANE	5	UG/L	U	V	5	0
		1 2 DICHLOROETHENE	5	UG/L	U	V		
		1 2 DICHLOROPROPANE	5	UG/L	U	V		
		2 BUTANONE	10	UG/L	U	R		
		2 HEXANONE	10	UG/L	U	V		
		4-METHYL 2 PENTANONE	10	UG/L	U	V		
		ACETONE	10	UG/L	U	V		
		BENZENE	5	UG/L	U	V		
		BROMODICHLOROMETHANE	5	UG/L	U	V		
		BROMOFLUOROBENZENE	92	%REC		Z		
		BROMOFORM	5	UG/L	U	V		
		BROMOMETHANE	10	UG/L	U	V		
		CARBON DISULFIDE	5	UG/L	U	V		
		CARBON TETRACHLORIDE	5	UG/L	U	V	5	0
		CHLOROBENZENE	5	UG/L	U	V		
		CHLOROETHANE	10	UG/L	U	V		
		CHLOROFORM	5	UG/L	U	V		
		CHLOROMETHANE	10	UG/L	U	V		
		DIBROMOCHLOROMETHANE	5	UG/L	U	V		
		ETHYLBENZENE	5	UG/L	U	V		
		METHYLENE CHLORIDE	5	UG/L	U	V	5	0
		STYRENE	5	UG/L	U	V		
		TETRACHLOROETHENE	2	UG/L	J	A	5	0
		TOLUENE	5	UG/L	U	V	2000	0
		TOLUENE D8	97	%REC		Z		
		TOTAL XYLEMES	5	UG/L	U	V		
		TRICHLOROETHENE	5	UG/L	U	V	5	0
		VINYL ACETATE	10	UG/L	U	V		
		VINYL CHLORIDE	10	UG/L	U	V		
		cis 1 3-DICHLOROPROPENE	5	UG/L	U	V		
		trans 1 3 DICHLOROPROPENE	5	UG/L	U	V		
FT10240RG	9 May 94	1 1 1 TRICHLOROETHANE	5	UG/L	U	V	200	0
		1 1 2 2 TETRACHLOROETHANE	5	UG/L	U	V		
		1 1 2 TRICHLOROETHANE	5	UG/L	U	V		
		1 1 DICHLOROETHANE	5	UG/L	U	V	5	0
		1 1 DICHLOROETHENE	5	UG/L	U	V	7	0
		1 2 DICHLOROETHANE D4	103	%REC		Y		
		1 2 DICHLOROETHANE D4	107	%REC		Y		
		1 2 DICHLOROETHANE D4	105	%REC		Z		
		1 2 4-TRICHLOROBENZENE	10	UG/L	U	V		
		1 2 DICHLOROBENZENE	10	UG/L	U	V		

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Sample Number	Sample Date	Compound	Result	Unit	Method	Qual	V quali	ARAR	# SAM > ARAR
FT10240RG	9 May 94	1,2-DICHLOROETHANE	5	UG/L		U	V	5	0
		1,2-DICHLOROETHENE	5	UG/L		U	V		
		1,2-DICHLOROPROPANE	5	UG/L		U	V		
		1,3-DICHLOROBENZENE	10	UG/L		U	V		
		1,4-DICHLOROBENZENE	10	UG/L		U	V		
		2,4,5-TRICHLOROPHENOL	50	UG/L		U	V		
		2,4,6-TRIBROMOPHENOL	71	%REC			Z		
		2,4,6-TRICHLOROPHENOL	10	UG/L		U	V		
		2,4-DICHLOROPHENOL	10	UG/L		U	V		
		2,4-DIMETHYLPHENOL	10	UG/L		U	V		
		2,4-DINITROPHENOL	50	UG/L		U	V		
		2,4-DINITROTOLUENE	10	UG/L		U	V		
		2,6-DINITROTOLUENE	10	UG/L		U	V		
		2-BUTANONE	10	UG/L		U	V		
		2-CHLORONAPHTHALENE	10	UG/L		U	V		
		2-CHLOROPHENOL	10	UG/L		U	V		
		2-FLUOROBIPHENYL	61	%REC			Z		
		2-HEXANONE	10	UG/L		U	V		
		2-METHYLNAPHTHALENE	10	UG/L		U	V		
		2-METHYLPHENOL	10	UG/L		U	V		
		2-NITROANILINE	50	UG/L		U	V		
		2-NITROPHENOL	10	UG/L		U	V		
		3,3-DICHLOROBENZIDINE	20	UG/L		U	V		
		3-NITROANILINE	50	UG/L		U	V		
		4,6-DINITRO-2-METHYLPHENOL	50	UG/L		U	V		
		4-CHLORO-3-METHYLPHENOL	10	UG/L		U	V		
		4-CHLOROANILINE	10	UG/L		U	V		
		4-CHLOROPHENYL PHENYL ETHER	10	UG/L		U	V		
		4-METHYL-2-PENTANONE	10	UG/L		U	V		
		4-METHYLPHENOL	10	UG/L		U	V		
		4-NITROANILINE	50	UG/L		U	V		
		4-NITROPHENOL	50	UG/L		U	V		
		ACENAPHTHENE	10	UG/L		U	V		
		ACENAPHTHYLENE	10	UG/L		U	V		
		ACETONE	10	UG/L		U	V		
		ANTHRACENE	10	UG/L		U	V		
		BENZENE	5	UG/L		U	V		
		BENZO(a)ANTHRACENE	10	UG/L		U	V		
		BENZO(a)PYRENE	10	UG/L		U	V		
		BENZO(b)FLUORANTHENE	10	UG/L		U	V		
		BENZO(ghi)PERYLENE	10	UG/L		U	V		
		BENZO(k)FLUORANTHENE	10	UG/L		U	V		
		BENZOIC ACID	50	UG/L		U	V		
		BENZYL ALCOHOL	10	UG/L		U	V		
		BIS(2-CHLOROETHOXY)METHANE	10	UG/L		U	V		
		BIS(2-CHLOROETHYL)ETHER	10	UG/L		U	V		
		BIS(2-CHLOROISOPROPYL)ETHER	10	UG/L		U	V		
		BIS(2-ETHYLHEXYL)PHTHALATE	5	UG/L		J	A		
		BROMODICHLOROMETHANE	5	UG/L		U	V		
		BROMOFLUOROBENZENE	92	%REC			Y		
		BROMOFLUOROBENZENE	93	%REC			Y		
		BROMOFLUOROBENZENE	97	%REC			Z		
		BROMOFORM	5	UG/L		U	V		
		BROMOMETHANE	10	UG/L		U	V		
		BUTYL BENZYL PHTHALATE	10	UG/L		U	V		
		CARBON DISULFIDE	5	UG/L		U	V		
		CARBON TETRACHLORIDE	5	UG/L		U	V	5	0
		CHLOROBENZENE	5	UG/L		U	V		
		CHLOROETHANE	10	UG/L		U	V		
		CHLOROFORM	5	UG/L		U	V		
		CHLOROMETHANE	10	UG/L		U	V		

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Sample Numb	Sample Date	Compound	R	I	U	tM	s	Q	ai	Vq	I	ARAR	# SAM > ARAR
FT10240RG	9 May 94	CHRYSENE			10	UG/L		U		V			
		DI-n BUTYL PHTHALATE			10	UG/L		U		V			
		DI-n-OCTYL PHTHALATE			10	UG/L		U		V			
		DIBENZO(a h)ANTHRACENE			10	UG/L		U		V			
		DIBENZOFURAN			10	UG/L		U		V			
		DIBROMOCHLOROMETHANE			5	UG/L		U		V			
		DIETHYL PHTHALATE			10	UG/L		U		V			
		DIMETHYL PHTHALATE			10	UG/L		U		V			
		ETHYLBENZENE			5	UG/L		U		V			
		FLUORANTHENE			10	UG/L		U		V			
		FLUORENE			10	UG/L		U		V			
		HEXACHLOROBENZENE			10	UG/L		U		V			
		HEXACHLOROBUTADIENE			10	UG/L		U		V			
		HEXACHLOROCYCLOPENTADIENE			10	UG/L		U		V			
		HEXACHLOROETHANE			10	UG/L		U		V			
		Hexanedioic acid diethyl ester			18	UG/L		J		Z			
		INDENO(1 2 3-cd)PYRENE			10	UG/L		U		V			
		ISOPHORONE			10	UG/L		U		V			
		METHYLENE CHLORIDE			5	UG/L		U		V	5		0
		N NITROSO-DI-n-PROPYLAMINE			10	UG/L		U		V			
		N NITROSODIPHENYLAMINE			10	UG/L		U		V			
		NAPHTHALENE			10	UG/L		U		V			
		NITROBENZENE			10	UG/L		U		V			
		NITROBENZENE D5			74	%REC				Z			
		PENTACHLOROPHENOL			50	UG/L		U		V			
		PHENANTHRENE			10	UG/L		U		V			
		PHENOL			10	UG/L		U		V			
		PHENOL D5			51	%REC		U		Z			
		PYRENE			10	UG/L		U		V			
		STYRENE			5	UG/L		U		V			
		TERPHENYL-D14			59	%REC				Z			
		TETRACHLOROETHENE			2	UG/L		J		A	5		0
		TOLUENE			5	UG/L		U		V	2000		0
		TOLUENE D8			98	%REC				Y			
		TOLUENE D8			99	%REC				Y			
		TOLUENE D8			108	%REC				Z			
		TOTAL XYLEMES			5	UG/L		U		V	5		0
		TRICHLOROETHENE			5	UG/L		U		V			
		VINYL ACETATE			10	UG/L		U		R			
		VINYL CHLORIDE			10	UG/L		U		V			
		cis 1 3-DICHLOROPROPENE			5	UG/L		U		V			
		o-FLUOROPHENOL			46	%REC				Z			
		p BROMODIPHENYL ETHER			10	UG/L		U		V			
		trans 1 3-DICHLOROPROPENE			5	UG/L		U		V			
FT10259RG	7 Jun 94	1 1 1 TRICHLOROETHANE			5	UG/L		U		V	200		0
		1 1 2 2 TETRACHLOROETHANE			5	UG/L		U		V			
		1 1 2 TRICHLOROETHANE			5	UG/L		U		V			
		1 1 DICHLOROETHANE			5	UG/L		U		V	5		0
		1 1 -DICHLOROETHENE			5	UG/L		U		V	7		0
		1 2 DICHLOROETHANE D4			105	%REC				Z			
		1 2 4 TRICHLOROBENZENE			10	UG/L		U		V			
		1 2 DICHLOROBENZENE			10	UG/L		U		V			
		1 2 DICHLOROETHANE			5	UG/L		U		V	5		0
		1 2 DICHLOROETHENE			5	UG/L		U		V			
		1 2 DICHLOROPROPANE			5	UG/L		U		V			
		1 3-DICHLOROBENZENE			10	UG/L		U		V			
		1 4-DICHLOROBENZENE			10	UG/L		U		V			
		2 4 5-TRICHLOROPHENOL			50	UG/L		U		V			
		2 4 6-TRIBROMOPHENOL			82	%REC		U		Z			
		2 4 6 TRICHLOROPHENOL			10	UG/L		U		V			

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Smpl	Nmb	Smpl	D t	Cmpo nd	R	It	U	It	M	a	Qual	Vq	al	ARAR	# SAM > ARAR
FT10259RG		7 Jun 94		2,4-DICHLOROPHENOL		10	UG/L		U		V				
				2,4-DIMETHYLPHENOL		10	UG/L		U		V				
				2,4-DINITROPHENOL		50	UG/L		U		V				
				2,4-DINITROTOLUENE		10	UG/L		U		V				
				2,6-DINITROTOLUENE		10	UG/L		U		V				
				2-BUTANONE		10	UG/L		U		V				
				2-CHLORONAPHTHALENE		10	UG/L		U		V				
				2-CHLOROPHENOL		10	UG/L		U		V				
				2-FLUOROBIPHENYL		66	%REC				Z				
				2-HEXANONE		10	UG/L		U		V				
				2-METHYLNAPHTHALENE		10	UG/L		U		V				
				2-METHYLPHENOL		10	UG/L		U		V				
				2-NITROANILINE		50	UG/L		U		V				
				2-NITROPHENOL		10	UG/L		U		V				
				3,3'-DICHLOROBENZIDINE		20	UG/L		U		V				
				3-NITROANILINE		50	UG/L		U		V				
				4,6-DINITRO-2-METHYLPHENOL		50	UG/L		U		V				
				4-CHLORO-3-METHYLPHENOL		10	UG/L		U		V				
				4-CHLOROANILINE		10	UG/L		U		V				
				4-CHLOROPHENYL PHENYL ETHER		10	UG/L		U		V				
				4-METHYL-2-PENTANONE		10	UG/L		U		V				
				4-METHYLPHENOL		10	UG/L		U		V				
				4-NITROANILINE		50	UG/L		U		V				
				4-NITROPHENOL		50	UG/L		U		V				
				ACENAPHTHENE		10	UG/L		U		V				
				ACENAPHTHYLENE		10	UG/L		U		V				
				ACETONE		10	UG/L		U		R				
				ANTHRACENE		10	UG/L		U		V				
				BENZENE		5	UG/L		U		V				
				BENZO(a)ANTHRACENE		10	UG/L		U		V				
				BENZO(a)PYRENE		10	UG/L		U		V				
				BENZO(b)FLUORANTHENE		10	UG/L		U		V				
				BENZO(ghi)PERYLENE		10	UG/L		U		V				
				BENZO(k)FLUORANTHENE		10	UG/L		U		V				
				BENZOIC ACID		50	UG/L		U		V				
				BENZYL ALCOHOL		10	UG/L		U		V				
				BIS(2-CHLOROETHOXY)METHANE		10	UG/L		U		V				
				BIS(2-CHLOROETHYL)ETHER		10	UG/L		U		V				
				BIS(2-CHLOROISOPROPYL)ETHER		10	UG/L		U		V				
				BIS(2-ETHYLHEXYL)PHTHALATE		10	UG/L		U		V				
				BROMODICHLOROMETHANE		5	UG/L		U		V				
				BROMOFLUOROBENZENE		111	%REC				Z				
				BROMOFORM		5	UG/L		U		V				
				BROMOMETHANE		10	UG/L		U		V				
				BUTYL BENZYL PHTHALATE		10	UG/L		U		V				
				CARBON DISULFIDE		5	UG/L		U		V				
				CARBON TETRACHLORIDE		5	UG/L		U		V	5		0	
				CHLOROBENZENE		5	UG/L		U		V				
				CHLOROETHANE		10	UG/L		U		V				
				CHLOROFORM		5	UG/L		U		V				
				CHLORMETHANE		10	UG/L		U		R				
				CHRYSENE		10	UG/L		U		V				
				DI-n BUTYL PHTHALATE		10	UG/L		U		J				
				DI-n-OCTYL PHTHALATE		10	UG/L		U		V				
				DIBENZO(a,h)ANTHRACENE		10	UG/L		U		V				
				DIBENZOFURAN		10	UG/L		U		V				
				DIBROMOCHLOROMETHANE		5	UG/L		U		V				
				DIETHYL PHTHALATE		10	UG/L		U		V				
				DIMETHYL PHTHALATE		10	UG/L		U		V				
				ETHYLBENZENE		5	UG/L		U		V				
				FLUORANTHENE		10	UG/L		U		V				

Attachment 1

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S ample N umber	S ample Date	Compou nd	R s	I t	U 't M	s	Qu al	Vq ual	ARAR	# SAM	> ARAR
FT10259RG	7 Jun 94	FLUORENE			10	UG/L	U	V			
		HEXACHLOROBENZENE			10	UG/L	U	V			
		HEXACHLOROBUTADIENE			10	UG/L	U	V			
		HEXACHLOROCYCLOPENTADIENE			10	UG/L	U	V			
		HEXAChLOROETHANE			10	UG/L	U	V			
		INDENO(1 2 3-cd)PYRENE			10	UG/L	U	V			
		ISOPHORONE			10	UG/L	U	V			
		METHYLENE CHLORIDE			5	UG/L	U	V	5	0	
		N-NITROSO-DI-n-PROPYLAMINE			10	UG/L	U	V			
		N-NITROSODIPHENYLAMINE			10	UG/L	U	V			
		NAPHTHALENE			10	UG/L	U	V			
		NITROBENZENE			10	UG/L	U	V			
		NITROBENZENE D5			69	%REC		Z			
		PENTACHLOROPHENOL			50	UG/L	U	V			
		PHENANTHRENE			10	UG/L	U	V			
		PHENOL			10	UG/L	U	V			
		PHENOL D5			49	%REC		Z			
		PYRENE			10	UG/L	U	V			
		STYRENE			5	UG/L	U	V			
		TERPHENYL D14			51	%REC		Z			
		TETRACHLOROETHENE			2	UG/L	J	A	5	0	
		TOLUENE			5	UG/L	U	V	2000	0	
		TOLUENE D8			108	%REC		Z			
		TOTAL XYLEMES			5	UG/L	U	V			
		TRICHLOROETHENE			5	UG/L	U	V	5	0	
		VINYL ACETATE			10	UG/L	U	V			
		VINYL CHLORIDE			10	UG/L	U	V			
		cis 1 3 DICHLOROPROPENE			5	UG/L	U	V			
		o-FLUOROPHENOL			49	%REC		Z			
		p BROMODIPHENYL ETHER			10	UG/L	U	V			
		trans 1 3 DICHLOROPROPENE			5	UG/L	U	V			

## 881 French Drain Metals April June 1994

Sample Number	Sample Date	Element	Result	Unit Measure	Qual	Vqual	ARAR	SAM > ARAR
FT10211RG	12 Apr 94	ALUMINUM	11	UG/L	U	R	5000	0
		ANTIMONY	14	UG/L	U	V	60	0
		ARSENIC	2 2	UG/L	B	V	50	0
		BARIUM	152	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMUM	3	UG/L	U	V	10	0
		CALCIUM	92700	UG/L		V		
		CESIUM	63	UG/L	U	V		
		CHROMIUM	2	UG/L	U	JA	50	0
		COBALT	2	UG/L	U	V		
		COPPER	3	UG/L	U	JA	200	0
		IRON	18 4	UG/L	U	JA	300	0
		LEAD	1	UG/L	B	V	50	0
		LITHIUM	12 2	UG/L	B	V	2500	0
		MAGNESIUM	20900	UG/L		V		
		MANGANESE	1	UG/L	U	V	50	0
		MERCURY	0 2	UG/L	U	V	2	0
		MOLYBDENUM	12 2	UG/L	U	JA	100	0
		NICKEL	6	UG/L	U	V	200	0
		POTASSIUM	2860	UG/L	B	V		
		SELENIUM	4 1	UG/L	B	V	10	0
		SILICON	6070	UG/L		V		
		SILVER	2	UG/L	U	V	50	0
		SODIUM	48500	UG/L		V		
		STRONTIUM	627	UG/L		V		
		THALLIUM	1	UG/L	UWN	JA	10	0
		TIN	10	UG/L	U	V		
		VANADIUM	3	UG/L	B	V	100	0
		ZINC	63 7	UG/L		V	2000	0
FT10240RG	9-May 94	ALUMINUM	32 09	UG/L	B	Z	5000	0
		ANTIMONY	14	UG/L	U	Z	60	0
		ARSENIC	3 2	UG/L	B	Z	50	0
		BARIUM	163 57	UG/L	B	Z	1000	0
		BERYLLIUM	1	UG/L	U	Z	100	0
		CADMUM	3	UG/L	U	Z	10	0
		CALCIUM	93806 36	UG/L		Z		
		CESIUM	63	UG/L	U	Z		
		CHROMIUM	2	UG/L	U	Z	50	0
		COBALT	2	UG/L	U	Z		
		COPPER	1	UG/L	U	Z	200	0
		IRON	16 96	UG/L	B	Z	300	0
		LEAD	1	UG/L	U	Z	50	0
		LITHIUM	11 91	UG/L	B	Z	2500	0
		MAGNESIUM	20856 22	UG/L		Z		
		MANGANESE	1	UG/L	U	Z	50	0
		MERCURY	0 2	UG/L	U	Z	2	0
		MOLYBDENUM	3	UG/L	U	Z	100	0
		NICKEL	6	UG/L	U	Z	200	0
		POTASSIUM	2385 4	UG/L	B	Z		
		SELENIUM	4 7	UG/L	B	Z	10	0
		SILICON	5944 97	UG/L		Z		
		SILVER	2	UG/L	U	Z	50	0

## 881 French Drain Metals April June 1994

Sample Number	Sample Date	Element	Result	Unit Measure	Qual	Vqual	ARAR	SAM > ARAR
FT10240RG	9-May 94	SODIUM	49396 22	UG/L		Z		
		STRONTIUM	645 56	UG/L		Z		
		THALLIUM	2	UG/L	U	Z	10	0
		TIN	10	UG/L	U	Z		
		VANADIUM	2 22	UG/L	B	Z	100	0
		ZINC	67 04	UG/L		Z	2000	0
FT10240RG	9 May 94	ALUMINUM	31 7	UG/L	B	Y	5000	0
		ANTIMONY	14	UG/L	U	Y	60	0
		ARSENIC	3 3	UG/L	B	Y	50	0
		BARIUM	161	UG/L	B	Y	1000	0
		BERYLLIUM	1	UG/L	U	Y	100	0
		CADMUM	3	UG/L	U	Y	10	0
		CALCIUM	92100	UG/L		Y		
		CESIUM	63	UG/L	U	Y		
		CHROMIUM	2	UG/L	U	Y	50	0
		COBALT	2	UG/L	U	Y		
		COPPER	1 4	UG/L	B	Y	200	0
		IRON	25 9	UG/L	B	Y	300	0
		LEAD	1	UG/L	UW	Y	50	0
		LITHIUM	11 6	UG/L	B	Y	2500	0
		MAGNESIUM	20500	UG/L		Y		
		MANGANESE	1	UG/L	U	Y	50	0
		MERCURY	0 2	UG/L	U	Y	2	0
		MOLYBDENUM	3	UG/L	U	Y	100	0
		NICKEL	6	UG/L	U	Y	200	0
		POTASSIUM	2340	UG/L	B	Y		
		SELENIUM	3 5	UG/L	BW	Y	10	0
		SILICON	5830	UG/L		Y		
		SILVER	2	UG/L	U	Y	50	0
		SODIUM	48600	UG/L		Y		
		STRONTIUM	635	UG/L		Y		
		THALLIUM	2	UG/L	UWN	Y	10	0
		TIN	10	UG/L	U	Y		
		VANADIUM	2	UG/L	U	Y	100	0
		ZINC	67	UG/L		Y	2000	0
FT10259RG	7 Jun 94	ALUMINUM	20 9	UG/L	U	JA	5000	0
		ANTIMONY	14	UG/L	U	V	60	0
		ARSENIC	2 3	UG/L	B	V	50	0
		BARIUM	150	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMUM	3	UG/L	U	JA	10	0
		CALCIUM	96300	UG/L		V		
		CESIUM	63	UG/L	U	V		
		CHROMIUM	4 8	UG/L	U	JA	50	0
		COBALT	2	UG/L	U	V		
		COPPER	2	UG/L	U	JA	200	0
		IRON	24 6	UG/L	U	JA	300	0
		LEAD	1	UG/L	U	V	50	0
		LITHIUM	14 8	UG/L	B	V	2500	0
		MAGNESIUM	21600	UG/L		V		
		MANGANESE	1 2	UG/L	B	V	50	0

881 French Drain Metals April June 1994

Sample Number	Sample Date	Element	Result	Unit Measure	Qual	Vqual	ARAR	SAM > ARAR
FT10259RG	7 Jun 94	MERCURY	0.2	UG/L	U	V	2	0
		MOLYBDENUM	4.2	UG/L	U	JA	100	0
		NICKEL	6	UG/L	U	V	200	0
		POTASSIUM	2640	UG/L	U	JA		
		SELENIUM	6.4	UG/L		V	10	0
		SILICON	6280	UG/L		V		
		SILVER	2	UG/L	U	V	50	0
		SODIUM	50900	UG/L		V		
		STRONTIUM	675	UG/L		V		
		THALLIUM	2	UG/L	U	V	10	0
		TIN	10	UG/L	U	V		
		VANADIUM	2.6	UG/L	U	JA	100	0
		ZINC	127	UG/L	E	JA	2000	0

## 881 French Drain Sump Rads April June 1994

Sample Number	Sample Date	Isotope	Result	Unit Meas	Error	Qual	Vqual	ARAR	# SAM > ARAR
FT10211RG	12 Apr 94	AMERICIUM 241	0.013 PC/L	0.006 B	V	4	0	0	0
		GROSS ALPHA	3.4 PC/L	1.3	Y	15	0	0	0
		GROSS BETA	38 PC/L	1.9	Y	50	0	0	0
		PLUTONIUM 239/240	0.001 PC/L	0.003 U	V	15	0	0	0
		STRONTIUM 89 90	0.11 PC/L	0.12 U	Y	8	0	0	0
		TOTAL RADIOCESIUM	0.13 PC/L	0.2 U	Y	20000	0	0	0
		TRITIUM	230 PC/L	150 J	V	0	0	0	0
		URANIUM 233 234	4 PC/L	0.73	V	0	0	0	0
		URANIUM 235	0.27 PC/L	0.16 J	V	0	0	0	0
		URANIUM 238	2.6 PC/L	0.55	V	0	0	0	0
		TOTAL URANIUM	6.87	1.44	V	40	0	0	0
FT10240RG	9 May 94	AMERICIUM 241	0.002 PC/L	0.003 U	Y	4	0	0	0
		GROSS ALPHA	3.7 PC/L	1.7	Y	15	0	0	0
		GROSS BETA	5.6 PC/L	1	Y	50	0	0	0
		PLUTONIUM 239/240	0.008 PC/L	0.005 J	Y	15	0	0	0
		STRONTIUM 89 90	0.16 PC/L	0.22 U	Y	8	0	0	0
		TOTAL RADIOCESIUM	0.007 PC/L	0.15 U	Y	20000	0	0	0
		TRITIUM	72 PC/L	130 U	Y	0	0	0	0
		URANIUM 233 234	4.5 PC/L	0.68	Y	0	0	0	0
		URANIUM 235	0.16 PC/L	0.12 U	Y	0	0	0	0
		URANIUM 238	3 PC/L	0.53	Y	0	0	0	0
		TOTAL URANIUM	7.66	1.33	V	40	0	0	0
FT10259RG	7 Jun 94	AMERICIUM 241	0.001 PC/L	0.003 U	Y	4	0	0	0
		GROSS ALPHA	6.4 PC/L	1.8	Y	15	0	0	0
		GROSS BETA	5.7 PC/L	1	Y	50	0	0	0
		PLUTONIUM 239/240	0.002 PC/L	0.006 U	Y	15	0	0	0
		STRONTIUM 89 90	0.023 PC/L	0.12 U	Y	8	0	0	0
		TOTAL RADIOCESIUM	0 PC/L	0.067 U	Y	20000	0	0	0
		TRITIUM	110 PC/L	150 U	Y	0	0	0	0
		URANIUM 233 234	4.3 PC/L	0.43	Y	0	0	0	0
		URANIUM 235	0.2 PC/L	0.086 J	Y	0	0	0	0
		URANIUM 238	3 PC/L	0.34	Y	0	0	0	0
		TOTAL URANIUM	7.5	0.856	V	40	0	0	0

## 881 French Drain Sump Water Quality April June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Vqual	ARAR	# SAM > ARAR
FT10211RG	12 Apr 94	4,4 DDD	0.1	UG/L	>		
		4,4 DDE	0.1	UG/L	>		
		4,4 DDT	0.1	UG/L	>		
		ALDRIN	0.05	UG/L	>		
		AROCLOR 1016	0.5	UG/L	>		
		AROCLOR 1221	0.5	UG/L	>		
		AROCLOR 1232	0.5	UG/L	>		
		AROCLOR 1242	0.5	UG/L	>		
		AROCLOR 1248	0.5	UG/L	>		
		AROCLOR 1254	1	UG/L	>		
		AROCLOR 1260	1	UG/L	>		
		BICARBONATE AS CACO <sub>3</sub>	210	MG/L	>		
		CARBONATE AS CACO <sub>3</sub>	1	MG/L	>		
		CHLORIDE	120	MG/L	>		
		DI BUTYLCHLORENDATE	90 / REC				
		DIELDRIN	0.1	UG/L	>		
		ENDOSULFAN I	0.05	UG/L	>		
		ENDOSULFAN II	0.1	UG/L	>		
		ENDOSULFAN SULFATE	0.1	UG/L	>		
		ENDRIN	0.1	UG/L	>		
		ENDRIN ALDEHYDE					
		ENDRIN KETONE	0.1	UG/L	>		
		FLUORIDE	0.9	MG/L	>		
		HEPTACHLOR	0.05	UG/L	>		
		HEPTACHLOR EPOXIDE	0.05	UG/L	>		
		METHOXYPYCHLOR	0.5	UG/L	>		
		NITRATE/NITRITE	4.9	MG/L	>		
		SULFATE	44	MG/L	>		
		TOTAL DISSOLVED SOLIDS	440	MG/L	>		
		TOTAL SUSPENDED SOLIDS	4	MG/L	>		
		TOXAPHENE					
		alpha BHC	0.05	UG/L	>		
		alpha CHLORDANE	0.5	UG/L	>		
		beta BHC	0.05	UG/L	>		
		delta BHC	0.05	UG/L	>		

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Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	V qual	ARAR	# SAM > ARAR
FT10240RG	9 May 94	HEPTACHLOR	0.05	UG/L	V	V	V	
		HEPTACHLOR EPOXIDE	0.05	UG/L	U	U	U	0
		METHOXYCHLOR	0.5	UG/L	U	U	U	0
		NITRATE/NITRITE	6.5	MGL	U	Y	Y	10
		SULFATE	51	MGL	U	Y	Y	250
		TOTAL DISSOLVED SOLIDS	500	MGL	U	Y	Y	400
		TOTAL SUSPENDED SOLIDS	4	MGL	U	Y	Y	1
		TOXAPHENE	1	UG/L	U	Y	Y	
		alpha BHC	0.05	UG/L	U	Y	Y	
		alpha CHLORDANE	0.5	UG/L	U	Y	Y	
		beta BHC	0.05	UG/L	U	Y	Y	
		delta BHC	0.05	UG/L	U	Y	Y	
		gamma BHC (LINDANE)	0.05	UG/L	U	Y	Y	
		gamma CHLORDANE	0.5	UG/L	U	Y	Y	
FT10259RG	7 Jun 94	4-4 DDD	0.1	UG/L	V	V	V	
		4-4 DDE	0.1	UG/L	V	V	V	
		4-4 DDT	0.1	UG/L	V	V	V	
		ALDRIN	0.05	UG/L	V	V	V	
		AROCLOR 1016	0.5	UG/L	V	V	V	
		AROCLOR 1221	0.5	UG/L	V	V	V	
		AROCLOR 1232	0.5	UG/L	V	V	V	
		AROCLOR 1242	0.5	UG/L	V	V	V	
		AROCLOR 1248	0.5	UG/L	V	V	V	
		AROCLOR 1254	1	UG/L	V	V	V	
		AROCLOR 1260	1	UG/L	V	V	V	
		BICARBONATE AS CACO3	210	MGL	V	V	V	
		CARBONATE AS CACO3	1	MGL	V	V	V	
		CHLORIDE	84	/REC	Z	Z	Z	
		DI BUTYLCHLORENDATE	110	MGL	V	V	V	
		DIELDRIN	0.1	UG/L	V	V	V	
		ENDOSULFAN I	0.05	UG/L	V	V	V	
		ENDOSULFAN II	0.1	UG/L	V	V	V	
		ENDOSULFAN SULFATE	0.1	UG/L	V	V	V	

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Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT1025SRG	7 Jun 94	ENDRIN ALDEHYDE	0.1	UG/L	Z			
		ENDRIN KETONE		1	MGL			
		FLUORIDE						
		HEPTACHLOR	0.05	UG/L				
		HEPTACHLOR EPOXIDE	0.05	UG/L				
		METHOXYCHLOR	0.5	UG/L				
		NITRATE/NITRITE	6.2	MGL				
		SULFATE	47	MGL	10	0		
		TOTAL DISSOLVED SOLIDS	520	MGL	250	0		
		TOTAL SUSPENDED SOLIDS	4	MGL	400	1		
		TOXAPHENE	1	UG/L				
		alpha BHC	0.05	UG/L				
		alpha CHLORDANE	0.5	UG/L				
		bela BHC	0.05	UG/L				
		delta BHC	0.05	UG/L				
		gamma BHC (LINDANE)	0.05	UG/L				
		gamma CHLORDANE	0.5	UG/L				

Sample N mb	S mpl Dat	C mp d	R	It	U 't M	Q al	Vq al	ARAR	# SAM > ARAR
FT10210RG	12 Apr 94	1 1 1 TRICHLOROETHANE			5 UG/L	U	V	200	0
		1 1 2 2 TETRACHLOROETHANE			5 UG/L	U	V		
		1 1 2 TRICHLOROETHANE			5 UG/L	U	V		
		1 1-DICHLOROETHANE			5 UG/L	U	V	5	0
		1 1 DICHLOROETHENE			5 UG/L	U	V	7	0
		1 2 DICHLOROETHANE -D4			98 %REC		Z		
		1 2 4-TRICHLOROBENZENE			10 UG/L	U	V		
		1 2-Cyclohexanediol			20 UG/L	J	Z		
		1 2-DICHLOROBENZENE			10 UG/L	U	V		
		1 2 DICHLOROETHANE			5 UG/L	U	V	5	0
		1 2-DICHLOROETHENE			1 UG/L	J	A		
		1 2 DICHLOROPROPANE			5 UG/L	U	V		
		1 3 DICHLOROBENZENE			10 UG/L	U	V		
		1 4-DICHLOROBENZENE			10 UG/L	U	V		
		2 4 5-TRICHLOROPHENOL			50 UG/L	U	V		
		2 4 6 TRIBROMOPHENOL			66 / REC		Z		
		2 4 6-TRICHLOROPHENOL			10 UG/L	U	V		
		2 4-DICHLOROPHENOL			10 UG/L	U	V		
		2 4-DIMETHYLPHENOL			10 UG/L	U	V		
		2 4-DINITROPHENOL			50 UG/L	U	V		
		2 4-DINITROTOLUENE			10 UG/L	U	V		
		2 6 DINITROTOLUENE			10 UG/L	U	V		
		2 BUTANONE			10 UG/L	U	R		
		2-CHLORONAPHTHALENE			10 UG/L	U	V		
		2 CHLOROPHENOL			10 UG/L	U	V		
		2 FLUOROBIPHENYL			71 %REC		Z		
		2 HEXANONE			10 UG/L	U	V		
		2 METHYLNAPHTHALENE			10 UG/L	U	V		
		2 METHYLPHENOL			10 UG/L	U	V		
		2 NITROANILINE			50 UG/L	U	V		
		2 NITROPHENOL			10 UG/L	U	V		
		3 3 -DICHLOROBENZIDINE			20 UG/L	U	V		
		3-NITROANILINE			50 UG/L	U	V		
		4 6-DINITRO-2 METHYLPHENOL			50 UG/L	U	V		
		4-CHLORO-3-METHYLPHENOL			10 UG/L	U	V		
		4-CHLOROANILINE			10 UG/L	U	V		
		4-CHLOROPHENYL PHENYL ETHER			10 UG/L	U	V		
		4-METHYL 2 PENTANONE			10 UG/L	U	V		
		4-METHYLPHENOL			10 UG/L	U	V		
		4-NITROANILINE			50 UG/L	U	V		
		4-NITROPHENOL			50 UG/L	U	V		
		ACENAPHTHENE			10 UG/L	U	V		
		ACENAPHTHYLENE			10 UG/L	U	V		
		ACETONE			10 UG/L	U	V		
		ANTHRACENE			10 UG/L	U	V		
		BENZENE			5 UG/L	U	V		
		BENZO(a)ANTHRACENE			10 UG/L	U	V		
		BENZO(a)PYRENE			10 UG/L	U	V		
		BENZO(b)FLUORANTHENE			10 UG/L	U	V		
		BENZO(ghi)PERYLENE			10 UG/L	U	V		
		BENZO(k)FLUORANTHENE			10 UG/L	U	V		
		BENZOIC ACID			50 UG/L	U	V		
		BENZYL ALCOHOL			10 UG/L	U	V		
		BIS(2-CHLOROETHOXY)METHANE			10 UG/L	U	V		
		BIS(2-CHLOROETHYL)ETHER			10 UG/L	U	V		
		BIS(2-CHLOROISOPROPYL)ETHER			10 UG/L	U	V		
		BIS(2 ETHYLHEXYL)PHTHALATE			10 UG/L	U	J		
		BROMODICHLOROMETHANE			5 UG/L	U	V		
		BROMOFLUOROBENZENE			91 %REC		Z		
		BROMOFORM			5 UG/L	U	V		
		BROMOMETHANE			10 UG/L	U	V		

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Volatile	ARAR	# SAM > ARAR
FT10210RG	12 Apr 94	BUTYL BENZYL PHTHALATE	10	UG/L	U	V		
		CARBON DISULFIDE	5	UG/L	U	V		
		CARBON TETRACHLORIDE	5	UG/L	U	V	5	0
		CHLOROBENZENE	5	UG/L	U	V		
		CHLOROETHANE	10	UG/L	U	V		
		CHLOROFORM	5	UG/L	U	V		
		CHLOROMETHANE	10	UG/L	U	V		
		CHRYSENE	10	UG/L	U	V		
		DI-n-BUTYL PHTHALATE	10	UG/L	U	V		
		DI-n-OCTYL PHTHALATE	10	UG/L	U	V		
		DIBENZO(a h)ANTHRACENE	10	UG/L	U	V		
		DIBENZOFURAN	10	UG/L	U	V		
		DIBROMOCHLOROMETHANE	5	UG/L	U	V		
		DIETHYL PHTHALATE	10	UG/L	U	V		
		DIMETHYL PHTHALATE	10	UG/L	U	V		
		ETHYLBENZENE	5	UG/L	U	V		
		FLUORANTHENE	10	UG/L	U	V		
		FLUORENE	10	UG/L	U	V		
		HEXACHLOROBENZENE	10	UG/L	U	V		
		HEXACHLOROBUTADIENE	10	UG/L	U	V		
		HEXACHLOROCYCLOPENTADIENE	10	UG/L	U	V		
		HEXACHLOROETHANE	10	UG/L	U	V		
		Hexanedioic acid diethyl est	29	UG/L	J	Z		
		INDENO(1 2 3-cd)PYRENE	10	UG/L	U	V		
		ISOPHORONE	10	UG/L	U	V		
		METHYLENE CHLORIDE	5	UG/L	U	V	5	0
		N-NITROSO-DI-n PROPYLAMINE	10	UG/L	U	V		
		N NITROSODIPHENYLAMINE	10	UG/L	U	V		
		NAPHTHALENE	10	UG/L	U	V		
		NITROBENZENE	10	UG/L	U	V		
		NITROBENZENE D5	73 %REC			Z		
		PENTACHLOROPHENOL	50	UG/L	U	V		
		PHENANTHRENE	10	UG/L	U	V		
		PHENOL	10	UG/L	U	V		
		PHENOL D5	76 %REC			Z		
		PYRENE	10	UG/L	U	V		
		STYRENE	5	UG/L	U	V		
		TERPHENYL-D14	78 %REC			Z		
		TETRACHLOROETHENE	6	UG/L		V	5	1
		TOLUENE	5	UG/L	U	V	2000	0
		TOLUENE D8	106 %REC			Z		
		TOTAL XYLEMES	5	UG/L	U	V		
		TRICHLOROETHENE	5	UG/L	U	V	5	0
		VINYL ACETATE	10	UG/L	U	V		
		VINYL CHLORIDE	10	UG/L	U	V		
		cis 1 3-DICHLOROPROPENE	5	UG/L	U	V		
		o-FLUOROPHENOL	78 %REC			Z		
		p-BROMODIPHENYL ETHER	10	UG/L	U	V		
		trans 1 3-DICHLOROPROPENE	5	UG/L	U	V		
FT10238RG	9-May 94	1 1 1 TRICHLOROETHANE	5	UG/L	U	V	200	0
		1 1 2 2 TETRACHLOROETHANE	5	UG/L	U	V		
		1 1 2 TRICHLOROETHANE	5	UG/L	U	V		
		1 1-DICHLOROETHANE	5	UG/L	U	V	5	0
		1 1 DICHLOROETHENE	5	UG/L	U	V	7	0
		1 2 DICHLOROETHANE D4	110 %REC			Z		
		1 2 4-TRICHLOROBENZENE	10	UG/L	U	V		
		1 2-DICHLOROBENZENE	10	UG/L	U	V		
		1 2 DICHLOROETHANE	5	UG/L	U	V	5	0
		1 2 DICHLOROETHENE	5	UG/L	U	V		
		1 2 DICHLOROPROPANE	5	UG/L	U	V		

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Sample N mb	Sample Dat	Compo d	Res	It	U 't M	s	Qual	Vq al	ARAR	# SAM > ARAR
FT10238RG	9-May 94	1,3-DICHLOROBENZENE		10	UG/L		U	V		
		1,4-DICHLOROBENZENE		10	UG/L		U	V		
		2,4,5-TRICHLOROPHENOL		50	UG/L		U	V		
		2,4,6-TRIBROMOPHENOL		77	%REC			Z		
		2,4,6 TRICHLOROPHENOL		10	UG/L		U	V		
		2,4-DICHLOROPHENOL		10	UG/L		U	V		
		2,4-DIMETHYLPHENOL		10	UG/L		U	V		
		2,4-DINITROPHENOL		50	UG/L		U	V		
		2,4-DINITROTOLUENE		10	UG/L		U	V		
		2,6-DINITROTOLUENE		10	UG/L		U	V		
		2-BUTANONE		10	UG/L		U	R		
		2-CHLORONAPHTHALENE		10	UG/L		U	V		
		2-CHLOROPHENOL		10	UG/L		U	V		
		2 FLUOROBIPHENYL		59	%REC			Z		
		2 HEXANONE		10	UG/L		U	V		
		2 METHYLNAPHTHALENE		10	UG/L		U	V		
		2 METHYLPHENOL		10	UG/L		U	V		
		2 NITROANILINE		50	UG/L		U	V		
		2 NITROPHENOL		10	UG/L		U	V		
		3,3 DICHLOROBENZIDINE		20	UG/L		U	V		
		3-NITROANILINE		50	UG/L		U	V		
		4,6 DINITRO-2-METHYLPHENOL		50	UG/L		U	V		
		4-CHLORO-3-METHYLPHENOL		10	UG/L		U	V		
		4-CHLOROANILINE		10	UG/L		U	V		
		4-CHLOROPHENYL PHENYL ETHER		10	UG/L		U	V		
		4-METHYL 2 PENTANONE		10	UG/L		U	V		
		4-METHYLPHENOL		10	UG/L		U	V		
		4-NITROANILINE		50	UG/L		U	V		
		4 NITROPHENOL		50	UG/L		U	V		
		ACENAPHTHENE		10	UG/L		U	V		
		ACENAPHTHYLENE		10	UG/L		U	V		
		ACETONE		10	UG/L		U	R		
		ANTHRACENE		10	UG/L		U	V		
		BENZENE		5	UG/L					
		BENZO(a)ANTHRACENE		10	UG/L		U	V		
		BENZO(a)PYRENE		10	UG/L		U	V		
		BENZO(b)FLUORANTHENE		10	UG/L		U	V		
		BENZO(ghi)PERYLENE		10	UG/L		U	V		
		BENZO(k)FLUORANTHENE		10	UG/L		U	V		
		BENZOIC ACID		50	UG/L		U	V		
		BENZYL ALCOHOL		10	UG/L		U	V		
		BIS(2-CHLOROETHOXY)METHANE		10	UG/L		U	V		
		BIS(2-CHLOROETHYL)ETHER		10	UG/L		U	V		
		BIS(2-CHLOROISOPROPYL)ETHER		10	UG/L		U	V		
		BIS(2 ETHYLHEXYL)PHTHALATE		10	UG/L		U	V		
		BROMODICHLOROMETHANE		5	UG/L		U	V		
		BROMOFLUOROBENZENE		91	%REC			Z		
		BROMOFORM		5	UG/L		U	V		
		BROMOMETHANE		10	UG/L		U	V		
		BUTYL BENZYL PHTHALATE		10	UG/L		U	V		
		CARBON DISULFIDE		5	UG/L		U	V		
		CARBON TETRACHLORIDE		5	UG/L		U	V	5	0
		CHLOROBENZENE		5	UG/L		U	V		
		CHLOROETHANE		10	UG/L		U	V		
		CHLOROFORM		5	UG/L		U	V		
		CHLOROMETHANE		10	UG/L		U	V		
		CHRYSENE		10	UG/L		U	V		
		Di-n BUTYL PHTHALATE		10	UG/L		U	V		
		Di n-OCTYL PHTHALATE		10	UG/L		U	V		
		DIBENZO(a h)ANTHRACENE		10	UG/L		U	V		
		DIBENZOFURAN		10	UG/L		U	V		

Attachment 1

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Smpl N mb	Smpl D t	Cmpound	R	I	U	T M	Q	al	Vqual	ARAR	# SAM > ARAR
FT10238RG	9 May 94	DIBROMOCHLOROMETHANE			5	UG/L	U	V			
		DIETHYL PHTHALATE			10	UG/L	U	V			
		DIMETHYL PHTHALATE			10	UG/L	U	V			
		ETHYLBENZENE			5	UG/L	U	V			
		FLUORANTHENE			10	UG/L	U	V			
		FLUORENE			10	UG/L	U	V			
		HEXACHLOROBENZENE			10	UG/L	U	V			
		HEXACHLOROBUTADIENE			10	UG/L	U	V			
		HEXACHLOROCYCLOPENTADIENE			10	UG/L	U	V			
		HEXACHLOROETHANE			10	UG/L	U	V			
		INDENO(1 2 3-cd)PYRENE			10	UG/L	U	V			
		ISOPHORONE			10	UG/L	U	V			
		METHYLENE CHLORIDE			5	UG/L	U	V	5	0	
		N NITROSO-DI-n-PROPYLAMINE			10	UG/L	U	V			
		N-NITROSODIPHENYLAMINE			10	UG/L	U	V			
		NAPHTHALENE			10	UG/L	U	V			
		NITROBENZENE			10	UG/L	U	V			
		NITROBENZENE D5			70	%REC	Z				
		PENTACHLOROPHENOL			50	UG/L	U	V			
		PHENANTHRENE			10	UG/L	U	V			
		PHENOL			10	UG/L	U	V			
		PHENOL D5			55	%REC	Z				
		PYRENE			10	UG/L	U	V			
		STYRENE			5	UG/L	U	V			
		TERPHENYL D14			53	%REC	Z				
		TETRACHLOROETHENE			3	UG/L	J	A	5	0	
		TOLUENE			5	UG/L	U	V	2000	0	
		TOLUENE D8			106	%REC	Z				
		TOTAL XYLEMES			5	UG/L	U	V			
		TRICHLOROETHENE			5	UG/L	U	V	5	0	
		VINYL ACETATE			10	UG/L	U	V			
		VINYL CHLORIDE			10	UG/L	U	V			
		cis 1 3-DICHLOROPROPENE			5	UG/L	U	V			
		o-FLUOROPHENOL			50	%REC	Z				
		p-BROMODIPHENYL ETHER			10	UG/L	U	V			
		trans-1 3-DICHLOROPROPENE			5	UG/L	U	V			
FT10239RG	9-May 94	1 1 1 TRICHLOROETHANE			5	UG/L	U	V	200	0	
		1 1 2 2 TETRACHLOROETHANE			5	UG/L	U	V			
		1 1 2 TRICHLOROETHANE			5	UG/L	U	V			
		1 1 DICHLOROETHANE			5	UG/L	U	V	5	0	
		1 1 DICHLOROETHENE			5	UG/L	U	V	7	0	
		1 2 DICHLOROETHANE D4			111	%REC	Z				
		1 2 DICHLOROETHANE			5	UG/L	U	V	5	0	
		1 2 DICHLOROETHENE			5	UG/L	U	V			
		1 2 DICHLOROPROPANE			5	UG/L	U	V			
		2 BUTANONE			10	UG/L	U	R			
		2 HEXANONE			10	UG/L	U	V			
		4-METHYL 2 PENTANONE			10	UG/L	U	V			
		ACETONE			10	UG/L	U	R			
		BENZENE			5	UG/L	U	V			
		BROMODICHLOROMETHANE			5	UG/L	U	V			
		BROMOFLUOROBENZENE			91	%REC	Z				
		BROMOFORM			5	UG/L	U	V			
		BROMOMETHANE			10	UG/L	U	V			
		CARBON DISULFIDE			5	UG/L	U	V			
		CARBON TETRACHLORIDE			5	UG/L	U	V	5	0	
		CHLOROBENZENE			5	UG/L	U	V			
		CHLOROETHANE			10	UG/L	U	V			
		CHLOROFORM			5	UG/L	U	V			
		CHLOROMETHANE			10	UG/L	U	V			

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Smpl N mb	Smpl D te	Comp d	Re It U t M	Q I Vq I	ARAR	# SAM > ARAR
FT10239RG	9 May 94	DIBROMOCHLOROMETHANE	5 UG/L	U V		
		ETHYLBENZENE	5 UG/L	U V		
		METHYLENE CHLORIDE	5 UG/L	U V	5	0
		STYRENE	5 UG/L	U V		
		TETRACHLOROETHENE	5 UG/L	J A	5	0
		TOLUENE	5 UG/L	U V	2000	0
		TOLUENE D8	105 %REC	Z		
		TOTAL XYLEMES	5 UG/L	U V		
		TRICHLOROETHENE	5 UG/L	U V	5	0
		VINYL ACETATE	10 UG/L	U V		
		VINYL CHLORIDE	10 UG/L	U V		
		cis 1 3 DICHLOROPROPENE	5 UG/L	U V		
		trans 1 3-DICHLOROPROPENE	5 UG/L	U V		
FT10249RG	17 May 94	1 1 1 TRICHLOROETHANE	5 UG/L	U V	200	0
		1 1 2 2 TETRACHLOROETHANE	5 UG/L	U V		
		1 1 2 TRICHLOROETHANE	5 UG/L	U V		
		1 1 DICHLOROETHANE	5 UG/L	U V	5	0
		1 1 DICHLOROETHENE	5 UG/L	U V	7	0
		1 2 DICHLOROETHANE -D4	107 %REC	Z		
		1 2 DICHLOROETHANE	5 UG/L	U V	5	0
		1 2-DICHLOROETHENE	2 UG/L	J A		
		1 2 DICHLOROPROPANE	5 UG/L	U V		
		2 BUTANONE	10 UG/L	U V		
		2 HEXANONE	10 UG/L	U V		
		4-METHYL 2 PENTANONE	10 UG/L	U V		
		ACETONE	10 UG/L	U V		
		BENZENE	5 UG/L	U V		
		BROMODICHLOROMETHANE	5 UG/L	U V		
		BROMOFLUOROBENZENE	90 %REC	Z		
		BROMOFORM	5 UG/L	U V		
		BROMOMETHANE	10 UG/L	U V		
		CARBON DISULFIDE	5 UG/L	U V		
		CARBON TETRACHLORIDE	5 UG/L	U V	5	0
		CHLOROBENZENE	5 UG/L	U V		
		CHLOROETHANE	10 UG/L	U V		
		CHLOROFORM	5 UG/L	U V		
		CHLOROMETHANE	10 UG/L	U V		
		DIBROMOCHLOROMETHANE	5 UG/L	U V		
		ETHYLBENZENE	5 UG/L	U V		
		METHYLENE CHLORIDE	2 UG/L	J A	5	0
		STYRENE	5 UG/L	U V		
		TETRACHLOROETHENE	5 UG/L	J A	5	0
		TOLUENE	5 UG/L	U V	2000	0
		TOLUENE D8	97 %REC	Z		
		TOTAL XYLEMES	5 UG/L	U V		
		TRICHLOROETHENE	5 UG/L	U V	5	0
		VINYL ACETATE	10 UG/L	U V		
		VINYL CHLORIDE	10 UG/L	U V		
		cis-1 3-DICHLOROPROPENE	5 UG/L	U V		
		trans 1 3-DICHLOROPROPENE	5 UG/L	U V		
FT10258RG	7 J n 94	1 1 1 TRICHLOROETHANE	5 UG/L	U V	200	0
		1 1 2 2 TETRACHLOROETHANE	5 UG/L	U V		
		1 1 2 TRICHLOROETHANE	5 UG/L	U V		
		1 1 DICHLOROETHANE	5 UG/L	U V	5	0
		1 1 DICHLOROETHENE	5 UG/L	U V	7	0
		1 2 DICHLOROETHANE D4	102 %REC	Z		
		1 2 4 TRICHLOROBENZENE	10 UG/L	U V		
		1 2 DICHLOROBENZENE	10 UG/L	U V		
		1 2 DICHLOROETHANE	5 UG/L	U V	5	0

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Sample Number	Sample Date	Compound	R	I	U	It M	Q al	Vq al	ARAR	# SAM > ARAR
FT10258RG	7 Jun 94	1,2-DICHLOROETHENE		5	UG/L		U	V		
		1,2-DICHLOROPROPANE		5	UG/L		U	V		
		1,3-DICHLOROBENZENE		10	UG/L		U	V		
		1,4-DICHLOROBENZENE		10	UG/L		U	V		
		2,4,5-TRICHLOROPHENOL		50	UG/L		U	V		
		2,4,6-TRIBROMOPHENOL		77	%REC			Z		
		2,4,6-TRICHLOROPHENOL		10	UG/L		U	V		
		2,4-DICHLOROPHENOL		10	UG/L		U	V		
		2,4-DIMETHYLPHENOL		10	UG/L		U	V		
		2,4-DINITROPHENOL		50	UG/L		U	V		
		2,4-DINITROTOLUENE		10	UG/L		U	V		
		2,6-DINITROTOLUENE		10	UG/L		U	V		
		2-BUTANONE		10	UG/L		U	V		
		2-CHLORONAPHTHALENE		10	UG/L		U	V		
		2-CHLOROPHENOL		10	UG/L		U	V		
		2-FLUOROBIPHENYL		54	%REC			Z		
		2-HEXANONE		10	UG/L		U	V		
		2-METHYLNAPHTHALENE		10	UG/L		U	V		
		2-METHYLPHENOL		10	UG/L		U	V		
		2-NITROANILINE		50	UG/L		U	V		
		2-NITROPHENOL		10	UG/L		U	V		
		3,3-DICHLOROBENZIDINE		20	UG/L		U	V		
		3-NITROANILINE		50	UG/L		U	V		
		4,6-DINITRO-2-METHYLPHENOL		50	UG/L		U	V		
		4-CHLORO-3-METHYLPHENOL		10	UG/L		U	V		
		4-CHLOROANILINE		10	UG/L		U	V		
		4-CHLOROPHENYL PHENYL ETHER		10	UG/L		U	V		
		4-METHYL 2-PENTANONE		10	UG/L		U	V		
		4-METHYLPHENOL		10	UG/L		U	V		
		4-NITROANILINE		50	UG/L		U	V		
		4-NITROPHENOL		50	UG/L		U	V		
		ACENAPHTHENE		10	UG/L		U	V		
		ACENAPHTHYLENE		10	UG/L		U	V		
		ACETONE		10	UG/L		U	V	R	
		ANTHRACENE		10	UG/L		U	V		
		BENZENE		5	UG/L		U	V		
		BENZO(a)ANTHRACENE		10	UG/L		U	V		
		BENZO(a)PYRENE		10	UG/L		U	V		
		BENZO(b)FLUORANTHENE		10	UG/L		U	V		
		BENZO(ghi)PERYLENE		10	UG/L		U	V		
		BENZO(k)FLUORANTHENE		10	UG/L		U	V		
		BENZOIC ACID		50	UG/L		U	V		
		BENZYL ALCOHOL		10	UG/L		U	V		
		BIS(2-CHLOROETHOXY)METHANE		10	UG/L		U	V		
		BIS(2-CHLOROETHYL)ETHER		10	UG/L		U	V		
		BIS(2-CHLOROISOPROPYL)ETHER		10	UG/L		U	V		
		BIS(2-ETHYLHEXYL)PHTHALATE		10	UG/L		U	V	J	
		BROMODICHLOROMETHANE		5	UG/L		U	V		
		BROMOFLUOROBENZENE		108	%REC			Z		
		BROMOFORM		5	UG/L		U	V		
		BROMOMETHANE		10	UG/L		U	V		
		BUTYL BENZYL PHTHALATE		10	UG/L		U	V		
		CARBON DISULFIDE		5	UG/L		U	V		
		CARBON TETRACHLORIDE		5	UG/L		U	V	5	0
		CHLOROBENZENE		5	UG/L		U	V		
		CHLOROETHANE		10	UG/L		U	V		
		CHLOROFORM		5	UG/L		U	V		
		CHLOROMETHANE		10	UG/L		U	V	R	
		CHRYSENE		10	UG/L		U	V		
		DI-n BUTYL PHTHALATE		10	UG/L		U	V	J	
		DI-n OCTYL PHTHALATE		10	UG/L		U	V		

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Smpl N mb	Smpl D t	Cmpo d	R It	Unit M	Q I	Vq el	ARAR	# SAM > ARAR
FT10258RG	7 Jun-94	DIBENZO(a h)ANTHRACENE		10 UG/L	U	V		
		DIBENZOFURAN		10 UG/L	U	V		
		DIBROMOCHLOROMETHANE		5 UG/L	U	V		
		DIETHYL PHTHALATE		10 UG/L	U	V		
		DIMETHYL PHTHALATE		10 UG/L	U	V		
		ETHYLBENZENE		5 UG/L	U	V		
		FLUORANTHENE		10 LG/L	U	V		
		FLUORENE		10 UG/L	U	V		
		HEXAChLOROBENZENE		10 UG/L	U	V		
		HEXAChLOROBUTADIENE		10 UG/L	U	V		
		HEXAChLOROCYCLOPENTADIENE		10 UG/L	U	V		
		HEXAChLOROETHANE		10 UG/L	U	V		
		INDENO(1 2 3-cd)PYRENE		10 UG/L	U	V		
		ISOPHORONE		10 UG/L	U	V		
		METHYLENE CHLORIDE		5 UG/L	U	V	5	0
		N-NITROSO-DI-n-PROPYLAMINE		10 UG/L	U	V		
		N-NITROSODIPHENYLAMINE		10 UG/L	U	V		
		NAPHTHALENE		10 UG/L	U	V		
		NITROBENZENE		10 UG/L	U	V		
		NITROBENZENE D5		55 %REC		Z		
		PENTACHLOROPHENOL		50 UG/L	U	V		
		PHENANTHRENE		10 UG/L	U	V		
		PHENOL		10 UG/L	U	V		
		PHENOL D5		48 %REC		Z		
		PYRENE		10 UG/L	U	V		
		STYRENE		5 UG/L	U	V		
		TERPHENYL D14		48 %REC		Z		
		TETRACHLOROETHENE		3 UG/L	J	A	5	0
		TOLUENE		5 UG/L	U	V	2000	0
		TOLUENE D8		105 %REC		Z		
		TOTAL XYLEMES		5 UG/L	U	V		
		TRICHLOROETHENE		5 UG/L	U	V	5	0
		VINYL ACETATE		10 UG/L	U	V		
		VINYL CHLORIDE		10 UG/L	U	V		
		cis 1 3-DICHLOROPROPENE		5 UG/L	U	V		
		o-FLUOROPHENOL		48 %REC		Z		
		p-BROMODIPHENYL ETHER		10 UG/L	U	V		
		trans 1 3-DICHLOROPROPENE		5 UG/L	U	V		

## 881 Footing Drain Metals April June 1994

Sample Number	Sample Date	Element	Result	Unit Meas	Qual	Vqual	ARAR	SAM > ARAR
FT10210RG	12 Apr 94	ALUMINUM	13 54	UG/L	B	Z	5000	0
		ANTIMONY	14	UG/L	U	Z	60	0
		ARSENIC	1	UG/L	U	Z	50	0
		BARIUM	141 38	UG/L	B	Z	1000	0
		BERYLLIUM	1	UG/L	U	Z	100	0
		CADMUM	3	UG/L	U	Z	10	0
		CALCIUM	91363 15	UG/L		Z		
		CESIUM	63	UG/L	U	Z		
		CHROMIUM	2	UG/L	U	Z	50	0
		COBALT	2	UG/L	U	Z		
		COPPER	1 32	UG/L	B	Z	200	0
		IRON	25 14	UG/L	B	Z	300	0
		LEAD	1	UG/L	U	Z	50	0
		LITHIUM	11 44	UG/L	B	Z	2500	0
		MAGNESIUM	21027 35	UG/L		Z		
		MANGANESE	1	UG/L	U	Z	50	0
		MERCURY	0 2	UG/L	U	Z	2	0
		MOLYBDENUM	3 43	UG/L	B	Z	100	0
		NICKEL	6	UG/L	U	Z	200	0
		POTASSIUM	2989 01	UG/L	B	Z		
		SELENIUM	2 1	UG/L	B	Z	10	0
		SILICON	5884 01	UG/L		Z		
		SILVER	2	UG/L	U	Z	50	0
		SODIUM	46237 67	UG/L		Z		
		STRONTIUM	628 17	UG/L		Z		
		THALLIUM	1	UG/L	U	Z	10	0
		TIN	10	UG/L	U	Z		
		VANADIUM	2 6	UG/L	B	Z	100	0
		ZINC	54 08	UG/L		Z	2000	0
FT10210RG	12 Apr 94	ALUMINUM	19 8	UG/L	B	JA	5000	0
		ANTIMONY	15 2	UG/L	B	V	60	0
		ARSENIC	1	UG/L	U	V	50	0
		BARIUM	141	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMUM	3	UG/L	U	V	10	0
		CALCIUM	90100	UG/L		V		
		CESIUM	63	UG/L	U	V		
		CHROMIUM	2	UG/L	U	JA	50	0
		COBALT	2	UG/L	U	V		
		COPPER	1 3	UG/L	U	JA	200	0
		IRON	24 5	UG/L	U	JA	300	0
		LEAD	1	UG/L	U	V	50	0
		LITHIUM	10 5	UG/L	B	V	2500	0
		MAGNESIUM	20900	UG/L		V		
		MANGANESE	1 1	UG/L	B	V	50	0
		MERCURY	0 2	UG/L	U	V	2	0
		MOLYBDENUM	7 2	UG/L	U	JA	100	0
		NICKEL	6	UG/L	U	V	200	0
		POTASSIUM	2690	UG/L	B	V		
		SELENIUM	3 6	UG/L	B	V	10	0
		SILICON	5800	UG/L		V		
		SILVER	2	UG/L	U	V	50	0

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## 881 Footing Drain Metals April June 1994

Sample Number	Sample Date	Element	Result	Unit Meas	Qual	Vqual	ARAR	SAM > ARAR
FT10210RG	12 Apr 94	SODIUM	46200	UG/L	V	V		
		STRONTIUM	625	UG/L	V	V		
		THALLIUM	1	UG/L	UWN	JA	10	0
		TIN	10	UG/L	U	V		
		VANADIUM	2	UG/L	U	V	100	0
		ZINC	49 8	UG/L	V	V	2000	0
FT10238RG	9-May 94	ALUMINUM	41 1	UG/L	B	Y	5000	0
		ANTIMONY	14	UG/L	U	Y	60	0
		ARSENIC	1	UG/L	U	Y	50	0
		BARIUM	147	UG/L	B	Y	1000	0
		BERYLLIUM	1	UG/L	U	Y	100	0
		CADMNIUM	3	UG/L	U	Y	10	0
		CALCIUM	95300	UG/L		Y		
		CESIUM	63	UG/L	U	Y		
		CHROMIUM	2	UG/L	U	Y	50	0
		COBALT	2	UG/L	U	Y		
		COPPER	1	UG/L	U	Y	200	0
		IRON	13 8	UG/L	B	Y	300	0
		LEAD	1	UG/L	U	Y	50	0
		LITHIUM	12 6	UG/L	B	Y	2500	0
		MAGNESIUM	20200	UG/L		Y		
		MANGANESE	1	UG/L	U	Y	50	0
		MERCURY	0 2	UG/L	U	Y	2	0
		MOLYBDENUM	3	UG/L	U	Y	100	0
		NICKEL	6	UG/L	U	Y	200	0
		POTASSIUM	2320	UG/L	B	Y		
		SELENIUM	2 6	UG/L	B	Y	10	0
		SILICON	6020	UG/L		Y		
		SILVER	2	UG/L	U	Y	50	0
		SODIUM	45400	UG/L		Y		
		STRONTIUM	629	UG/L		Y		
		THALLIUM	2	UG/L	UWN	Y	10	0
		TIN	10	UG/L	U	Y		
		VANADIUM	2	UG/L	B	Y	100	0
		ZINC	39	UG/L		Y	2000	0
FT10249RG	17 May 94	ALUMINUM	11	UG/L	U	Y	5000	0
		ANTIMONY	14	UG/L	U	Y	60	0
		ARSENIC	1	UG/L	U	Y	50	0
		BARIUM	137	UG/L	B	Y	1000	0
		BERYLLIUM	1	UG/L	U	Y	100	0
		CADMNIUM	3	UG/L	U	Y	10	0
		CALCIUM	91100	UG/L		Y		
		CESIUM	63	UG/L	U	Y		
		CHROMIUM	2	UG/L	U	Y	50	0
		COBALT	2	UG/L	U	Y		
		COPPER	1	UG/L	U	Y	200	0
		IRON	14 8	UG/L	B	Y	300	0
		LEAD	1	UG/L	U	Y	50	0
		LITHIUM	11 9	UG/L	B	Y	2500	0
		MAGNESIUM	19300	UG/L		Y		
		MANGANESE	1	UG/L	U	Y	50	0
		MERCURY	0 2	UG/L	U	Y	2	0

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Sample Number	Sample Date	Element	Result	Unit Meas	Qual	Vqual	ARAR	SAM > ARAR
FT10249RG	17 May 94	MOLYBDENUM	3	UG/L	U	Y	100	0
		NICKEL	6	UG/L	U	Y	200	0
		POTASSIUM	2210	UG/L	B	Y		
		SELENIUM	17	UG/L	B	Y	10	0
		SILICON	5930	UG/L		Y		
		SILVER	2	UG/L	U	Y	50	0
		SODIUM	43700	UG/L		Y		
		STRONTIUM	596	UG/L		Y		
		THALLIUM	2	UG/L	UWN	Y	10	0
		TIN	10	UG/L	U	Y		
		VANADIUM	2	UG/L	U	Y	100	0
		ZINC	372	UG/L		Y	2000	0
FT10258RG	7 Jun 94	ALUMINUM	155	UG/L	U	JA	5000	0
		ANTIMONY	14	UG/L	U	V	60	0
		ARSENIC	11	UG/L	B	V	50	0
		BARIUM	156	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMIUM	268	UG/L		JA	10	1
		CALCIUM	98300	UG/L		V		
		CESIUM	63	UG/L	U	V		
		CHROMIUM	45	UG/L	U	JA	50	0
		COBALT	2	UG/L	U	V		
		COPPER	1	UG/L	U	JA	200	0
		IRON	446	UG/L	B	V	300	0
		LEAD	1	UG/L	U	V	50	0
		LITHIUM	13	UG/L	B	V	2500	0
		MAGNESIUM	21400	UG/L		V		
		MANGANESE	14	UG/L	B	V	50	0
		MERCURY	02	UG/L	U	V	2	0
		MOLYBDENUM	38	UG/L	U	JA	100	0
		NICKEL	6	UG/L	U	V	200	0
		POTASSIUM	2400	UG/L	U	JA		
		SELENIUM	26	UG/L	B	V	10	0
		SILICON	6400	UG/L		V		
		SILVER	2	UG/L	U	V	50	0
		SODIUM	47600	UG/L		V		
		STRONTIUM	673	UG/L		V		
		THALLIUM	2	UG/L	U	V	10	0
		TIN	10	UG/L	U	V		
		VANADIUM	21	UG/L	U	JA	100	0
		ZINC	404	UG/L	E	JA	2000	0

## 881 Footing Drain Rads April June 1994

Sample Number	Sample Date	Isotope	Result	Unit Meas	Error	Qual	Vqual	ARAR	# SAM > ARAR
FT10210RG	12 Apr 94	STRONTIUM 89 90 TOTAL RADIOCESIUM	0.096 PCI/L 0.005 PCI/L	0.015 U 0.096 U	Z Z	8 8	0 0	0 0	
FT10210RG	12 Apr 94	AMERICIUM 241 GROSS ALPHA GROSS BETA PLUTONIUM 239/240 STRONTIUM 89 90 TOTAL RADIOCESIUM TRITIUM URANIUM 233 234 URANIUM 235 URANIUM 238 TOTAL URANIUM	0.009 PCI/L 5.3 PCI/L 6.2 PCI/L 0.001 PCI/L 0.01 PCI/L 0.18 PCI/L 82 PCI/L 3.7 PCI/L 0.21 PCI/L 2.2 PCI/L 6.11	0.004 BJ 1.6 1.1 0.002 U 0.12 U 0.24 U 150 U 0.63 0.14 J 0.47 1.24	V Y Y V V Y Y V V V	4 15 50 15 8 20 000 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	
FT10238RG	9-May 94	STRONTIUM 89 90 TOTAL RADIOCESIUM URANIUM 233 234 URANIUM 235 URANIUM 238 TOTAL URANIUM	0.02 PCI/L 0.007 PCI/L 3.7 PCI/L 0.092 PCI/L 3 PCI/L 6.792	0.16 U 0.098 U 0.42 U 0.082 U 0.37 U 0.872	Z Z Z Z Z Z	8 8 50 15 8 40	0 0 0 0 0 0	0 0 0 0 0 0	
FT10238RG	9 May 94	AMERICIUM 241 GROSS ALPHA GROSS BETA PLUTONIUM 239/240 STRONTIUM 89 90 TOTAL RADIOCESIUM TRITIUM URANIUM 233 234 URANIUM 235 URANIUM 238 TOTAL URANIUM	0.002 PCI/L 5.7 PCI/L 7.4 PCI/L 0.001 PCI/L 0.19 PCI/L 16 PCI/L 160 PCI/L 4.4 PCI/L 0.19 PCI/L 3 PCI/L 7.59	0.002 U 1.8 1.1 0.003 U 0.33 U 0.45 U 140 U 0.41 0.095 J 0.33 0.835	Y Y Y U U Y Y Y Y Y	4 15 50 15 8 20000 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	

## 881 Footing Drain Rads April June 1994

Sample Number	Sample Date	Isotope	Result	Unit Meas	Error	Qual	Vqual	ARAR	# SAM > ARAR
FT10249RG	17 May 94	STRONTIUM 89 90 TOTAL RADIOCESIUM	0.05 0.037	PC/L PC/L	0.14 0.21	U U	Z Z	8 0	0 0
FT10249RG	17 May 94	AMERICIUM 241 GROSS ALPHA GROSS BETA PLUTONIUM 239/240 STRONTIUM 89 90 TOTAL RADIOCESIUM TRITIUM URANIUM 233 234 URANIUM 235 URANIUM 238 TOTAL URANIUM	0.001 4 5.6 0.003 0.019 0.061 30 4.5 0.071 2.8 7.371	PC/L PC/L PC/L PC/L PC/L PC/L PC/L PC/L PC/L PC/L PC/L	0.002 1.4 1.2 0.011 0.24 0.13 140 0.91 0.071 0.66 1.641	U Y Y U Y U U Y U Y Y	Y Y Y Y Y Y Y Y Y Y Y	4 15 50 15 8 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0
FT10258RG	7 Jun 94	STRONTIUM 89 90 TOTAL RADIOCESIUM	0.01 0.12	PC/L PC/L	0.11 0.086	U U	Z Z	8 0	0 0
FT10258RG	7 Jun 94	AMERICIUM 241 GROSS ALPHA GROSS BETA PLUTONIUM 239/240 STRONTIUM 89 90 TOTAL RADIOCESIUM TRITIUM URANIUM 233 234 URANIUM 235 URANIUM 238 TOTAL URANIUM	0.002 7.1 5.7 0.002 0.017 0.047 160 3.5 0.21 2.9 6.61	PC/L PC/L PC/L PC/L PC/L PC/L PC/L PC/L PC/L PC/L PC/L	0.003 1.8 1.1 0.007 0.099 0.062 160 0.5 0.13 0.46 1.09	U Y Y U Y U U Y J Y Y	Y Y Y Y Y Y Y Y Y Y Y	4 15 50 15 8 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0

## 881 Footing Drain Water Quality April June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10210RG	12 Apr 94	BICARBONATE AS CACO <sub>3</sub>	200 MG/L	1 MG/L	U	Z	250	0
		CARBONATE AS CACO <sub>3</sub>	110 MG/L	1 MG/L	U	Z	250	0
		CHLORIDE	110 MG/L	1 MG/L	U	Z	250	0
		FLUORIDE	1 MG/L	1 MG/L	U	Z	250	0
		NITRATE/NITRITE	5.1 MG/L	5.1 MG/L	U	Z	10	0
		SULFATE	39 MG/L	39 MG/L	U	Z	250	0
		TOTAL DISSOLVED SOLIDS	440 MG/L	4 MG/L	U	Z	400	1
		TOTAL SUSPENDED SOLIDS	4 MG/L	4 MG/L	U	Z	400	1
FT10210RG	12 Apr 94	4,4 DDD	0.1 UGL	0.1 UGL	U	V	>>>>>>>>>>>>>>>>>>>>>>>>>>	V>>>>>>>>>>>>>>>>>>>>>>>>>
		4,4 DDE	0.1 UGL	0.1 UGL	U	V	>>>>>>>>>>>>>>>>>>>>>>>>>>>	V>>>>>>>>>>>>>>>>>>>>>>>>>
		4,4 DDT	0.05 UGL	0.05 UGL	U	V	>>>>>>>>>>>>>>>>>>>>>>>>>>	V>>>>>>>>>>>>>>>>>>>>>>>>
		ALDRIN	0.5 UGL	0.5 UGL	U	V	>>>>>>>>>>>>>>>>>>>>>>>>	V>>>>>>>>>>>>>>>>>>>>>>
		AROCLOR 1016	0.5 UGL	0.5 UGL	U	V	>>>>>>>>>>>>>>>>>>>>>>>	V>>>>>>>>>>>>>>>>>>>>>
		AROCLOR 1221	0.5 UGL	0.5 UGL	U	V	>>>>>>>>>>>>>>>>>>>>>>	V>>>>>>>>>>>>>>>>>>>>
		AROCLOR 1232	0.5 UGL	0.5 UGL	U	V	>>>>>>>>>>>>>>>>>>>>>	V>>>>>>>>>>>>>>>>>>>
		AROCLOR 1242	0.5 UGL	0.5 UGL	U	V	>>>>>>>>>>>>>>>>>>>>	V>>>>>>>>>>>>>>>>>>
		AROCLOR 1248	0.5 UGL	0.5 UGL	U	V	>>>>>>>>>>>>>>>>>>>	V>>>>>>>>>>>>>>>>>>
		AROCLOR 1254	1 UGL	1 UGL	U	V	>>>>>>>>>>>>>>>>>>	V>>>>>>>>>>>>>>>>>
		AROCLOR 1260	1 UGL	1 UGL	U	V	>>>>>>>>>>>>>>>>>	V>>>>>>>>>>>>>>>
		BICARBONATE AS CACO <sub>3</sub>	210 MG/L	1 MG/L	U	Z	250	0
		CARBONATE AS CACO <sub>3</sub>	110 MG/L	1 MG/L	U	Z	250	0
		CHLORIDE	89 /REC	89 /REC	U	Z	250	0
		DI BUTYLCHLORENDATE	0.1 UGL	0.05 UGL	U	Z	250	0
		DIELDRIN	0.1 UGL	0.05 UGL	U	Z	250	0
		ENDOSULFAN I	0.1 UGL	0.1 UGL	U	Z	250	0
		ENDOSULFAN II	0.1 UGL	0.1 UGL	U	Z	250	0
		ENDOSULFAN SULFATE	0.1 UGL	0.1 UGL	U	Z	250	0
		ENDRIN	0.1 UGL	0.1 UGL	U	Z	250	0
		ENDRIN ALDEHYDE	0.1 UGL	0.1 UGL	U	Z	250	0
		ENDRIN KETONE	1 MG/L	1 MG/L	U	Z	250	0
		FLUORIDE	0.05 UGL	0.05 UGL	U	Z	250	0
		HEPTACHLOR	0.05 UGL	0.05 UGL	U	Z	250	0
		HEPTACHLOR EPOXIDE	0.05 UGL	0.05 UGL	U	Z	250	0
		METHOXYSCHLOR	0.05 UGL	0.05 UGL	U	Z	250	0

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Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10210RG	12 Apr 94	NITRATE/NITRITE	5.1	MG/L	V	10	0	
		SULFATE	39	MG/L	V	250	0	
		TOTAL DISSOLVED SOLIDS	460	MG/L	V	400	1	
		TOTAL SUSPENDED SOLIDS						
		TOXAPHENE						
		alpha BHC	0.05	UG/L	U	U		
		alpha CHLORDANE	0.05	UG/L	U	U		
		beta BHC	0.05	UG/L	U	U		
		delta BHC	0.05	UG/L	U	U		
		gamma BHC (LINDANE)	0.05	UG/L	U	U		
		gamma CHLORDANE	0.05	UG/L	U	U		
FT10238RG	9 May 94	4-4 DDD	0.1	UG/L				
		4-4 DDE	0.1	UG/L				
		4-4 DDT	0.1	UG/L				
		ALDRIN	0.05	UG/L				
		AROCLOR 1016	0.5	UG/L				
		AROCLOR 1221	0.5	UG/L				
		AROCLOR 1232	0.5	UG/L				
		AROCLOR 1242	0.5	UG/L				
		AROCLOR 1248	0.5	UG/L				
		AROCLOR 1254	1	UG/L				
		AROCLOR 1260	1	UG/L				
		BICARBONATE AS CACO <sub>3</sub>	220	MG/L				
		CARBONATE AS CACO <sub>3</sub>	1	MG/L				
		CHLORIDE	110	MG/L				
		DI BUTYLCHLORENDATE	93	%REC				
		DIELDRIN	0.1	UG/L				
		ENDOSULFAN I	0.05	UG/L				
		ENDOSULFAN II	0.1	UG/L				
		ENDOSULFAN SULFATE	0.1	UG/L				
		ENDRIN	0.1	UG/L				
		ENDRIN ALDEHYDE						
		ENDRIN KETONE	0.1	UG/L				
		FLUORIDE	1 MG/L					

## 881 Footing Drain Water Quality April June 1994

Sample Number	Sample Date	Compound	Result	Unit	Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10238RG	9 May 94	HEPTACHLOR EPOXIDE	0.05	UG/L	U	Y			
		HEPTACHLOR	0.05	UG/L	U	Y			
		METHOXYCHLOR	0.5	UG/L	U	Y			
		NITRATE/NITRITE	7	MGL		Y	10	0	
		SULFATE	45	MGL		Y	250	0	
		TOTAL DISSOLVED SOLIDS	540	MGL		Y	400	1	
		TOTAL SUSPENDED SOLIDS	4	MGL		Y			
		TOXAPHENE	1	UG/L		Y			
		alpha BHC	0.05	UG/L		Y			
		alpha CHLORDANE	0.5	UG/L		Y			
		beta BHC	0.05	UG/L		Y			
		delta BHC	0.05	UG/L		Y			
		gamma BHC (LINDANE)	0.05	UG/L		Y			
		gamma CHLORDANE	0.5	UG/L		Y			
FT10239RG	9 May 94	BICARBONATE AS CACO <sub>3</sub>	220	MGL		Y			
		CARBONATE AS CACO <sub>3</sub>	1	MGL		Y			
		CHLORIDE	110	MGL		Y	250	0	
		FLUORIDE	1	MGL		Y			
		SULFATE	45	MGL		Y	250	0	
		TOTAL DISSOLVED SOLIDS	530	MGL		Y	400	1	
		TOTAL SUSPENDED SOLIDS	4	MGL		U			
FT10249RG	17 May 94	BICARBONATE AS CACO <sub>3</sub>	220	MGL		Y			
		CARBONATE AS CACO <sub>3</sub>	1	MGL		Y			
		CHLORIDE	97	MGL		Y	250	0	
		FLUORIDE	11	MGL		Y			
		NITRATE/NITRITE	6.6	MGL		Y	10	0	
		SULFATE	43	MGL		Y	250	0	
		TOTAL DISSOLVED SOLIDS	500	MGL		Y	400	1	
		TOTAL SUSPENDED SOLIDS	4	MGL		U			
		pH	8.14	PH		Y			
FT10258RG	7 Jun-94	44 DDD	0.1	UG/L		Y			
		44 DDE	0.1	UG/L		Y			

## 881 Footing Drain Water Quality April June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10258RG	7 Jun 94	44 DDT	0.1	UG/L	V	V		
		ALDRIN	0.05	UG/L	U	U		
		AROCLOR 1016	0.5	UG/L	U	U		
		AROCLOR 1221	0.5	UG/L	U	U		
		AROCLOR 1232	0.5	UG/L	U	U		
		AROCLOR 1242	0.5	UG/L	U	U		
		AROCLOR 1248	0.5	UG/L	U	U		
		AROCLOR 1254	1	UG/L	U	U		
		AROCLOR 1260	1	UG/L	U	U		
		BICARBONATE AS CACO <sub>3</sub>	210	MGL	U	U		
		CARBONATE AS CACO <sub>3</sub>	1	MGL	U	U		
		CHLORIDE	110	MGL	U	U		
		DI BUTYLCHLORENDATE	86 /REC		U	U		
		DIELDRIN	0.1	UG/L	U	U		
		ENDOSULFAN I	0.05	UG/L	U	U		
		ENDOSULFAN II	0.1	UG/L	U	U		
		ENDOSULFAN SULFATE	0.1	UG/L	U	U		
		ENDRIN	0.1	UG/L	U	U		
		ENDRIN ALDEHYDE			U	U		
		ENDRIN KETONE	0.1	UG/L	U	U		
		FLUORIDE	1	MGL	U	U		
		HEPTACHLOR	0.05	UG/L	U	U		
		HEPTACHLOR EPOXIDE	0.05	UG/L	U	U		
		METHOXYCHLOR	0.5	UG/L	U	U		
		NITRATE/NITRITE	6.7	MGL	U	U		
		SULFATE	36	MGL	U	U		
		TOTAL DISSOLVED SOLIDS	520	MGL	U	U		
		TOTAL SUSPENDED SOLIDS	4	MGL	U	U		
		TOXAPHENE	1	UG/L	U	U		
		alpha BHC	0.05	UG/L	U	U		
		alpha-CHLORDANE	0.5	UG/L	U	U		
		beta BHC	0.05	UG/L	U	U		
		della BHC	0.05	UG/L	U	U		
		gamma BHC (LINDANE)	0.05	UG/L	U	U		
		gamma CHLORDANE	0.5	UG/L	U	U		

Smpl N mb	Smpl D te	Compound	R It	U It Mea	Q al	Vqual	ARAR	# SAM > ARAR
FT10268RG	17 Jun 94	2 BUTANONE	80	UG/L		J		
		2-CHLORONAPHTHALENE	10	UG/L	U	V		
		2-CHLOROPHENOL	10	UG/L	U	V		
		2 FLUOROBIPHENYL	54	%REC		Z		
		2 HEXANONE	10	UG/L	U	V		
		2 METHYLNAPHTHALENE	10	UG/L	U	V		
		2 METHYLPHENOL	10	UG/L	U	V		
		2 NITROANILINE	50	UG/L	U	V		
		2 NITROPHENOL	10	UG/L	U	V		
		3,3 DICHLOROBENZIDINE	20	UG/L	U	V		
		3-NITROANILINE	50	UG/L	U	R		
		4,6-DINITRO-2-METHYLPHENOL	50	UG/L	U	V		
		4-CHLORO-3-METHYLPHENOL	10	UG/L	U	V		
		4-CHLOROANILINE	10	UG/L	U	R		
		4-CHLOROPHENYL PHENYL ETHER	10	UG/L	U	V		
		4-METHYL 2-PENTANONE	10	UG/L	U	V		
		4-METHYLPHENOL	10	UG/L	U	V		
		4-NITROANILINE	50	UG/L	U	V		
		4-NITROPHENOL	50	UG/L	U	V		
		ACENAPHTHENE	10	UG/L	U	V		
		ACENAPHTHYLENE	10	UG/L	U	V		
		ACETONE	10	UG/L	U	V		
		ANTHRACENE	10	UG/L	U	V		
		BENZENE	5	UG/L	U	V		
		BENZO(a)ANTHRACENE	10	UG/L	U	V		
		BENZO(a)PYRENE	10	UG/L	U	V		
		BENZO(b)FLUORANTHENE	10	UG/L	U	V		
		BENZO(gh')PERYLENE	10	UG/L	U	V		
		BENZO(k)FLUORANTHENE	10	UG/L	U	V		
		BENZOIC ACID	50	UG/L	U	V		
		BENZYL ALCOHOL	10	UG/L	U	V		
		BIS(2-CHLOROETHOXY)METHANE	10	UG/L	U	V		
		BIS(2-CHLOROETHYL)ETHER	10	UG/L	U	V		
		BIS(2-CHLOROISOPROPYL)ETHER	10	UG/L	U	V		
		BIS(2-ETHYLHEXYL)PHTHALATE	46	UG/L		V		
		BROMODICHLOROMETHANE	5	UG/L	U	V		
		BROMOFLUOROBENZENE	99	%REC		Z		
		BROMOFORM	5	UG/L	U	V		
		BROMOMETHANE	10	UG/L	U	V		
		BUTYL BENZYL PHTHALATE	10	UG/L	U	V		
		CARBON DISULFIDE	5	UG/L	U	V		
		CARBON TETRACHLORIDE	4	UG/L	J	A	5	0
		CHLOROBENZENE	5	UG/L	U	V		
		CHLOROETHANE	10	UG/L	U	V		
		CHLOROFORM	5	UG/L	U	V		
		CHLOROMETHANE	10	UG/L	U	V		
		CHRYSENE	10	UG/L	U	V		
		DI-n-BUTYL PHTHALATE	10	UG/L	U	V		
		DI-n-OCTYL PHTHALATE	2	UG/L	J	A		
		DIBENZO(a,h)ANTHRACENE	10	UG/L	U	V		
		DIBENZOFURAN	10	UG/L	U	V		
		DIBROMOCHLOROMETHANE	5	UG/L	U	V		
		DIETHYL PHTHALATE	10	UG/L	U	V		
		DIMETHYL PHTHALATE	10	UG/L	U	V		
		ETHYLBENZENE	5	UG/L	U	V		
		FLUORANTHENE	10	UG/L	U	V		
		FLUORENE	10	UG/L	U	V		
		FURAN TETRAHYDRO-	19	UG/L	J	Z		
		HEXACHLOROBENZENE	10	UG/L	U	V		
		HEXACHLOROBUTADIENE	10	UG/L	U	V		
		HEXACHLOROCYCLOPENTADIENE	10	UG/L	U	V		

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Smpl N mb	Sampl Date	Comp u d	R s It	U it	M e s	Q al	Vq al	ARAR	# SAM > ARAR
FT10268RG	17 Jun 94	HEXACHLOROETHANE	10 UG/L	U	V				
		Hexanedioic acid diethyl est	97 UG/L	J	Z				
		INDENO(1 2 3-cd)PYRENE	10 UG/L	U	V				
		ISOPHORONE	10 UG/L	U	V				
		METHYLENE CHLORIDE	5 UG/L	U	V	5		0	
		N-NITROSO-DI-n-PROPYLAMINE	10 UG/L	U	V				
		N-NITROSODIPHENYLAMINE	10 UG/L	U	V				
		NAPHTHALENE	10 UG/L	U	V				
		NITROBENZENE	10 UG/L	U	V				
		NITROBENZENE-D5	57 %REC		Z				
		PENTACHLOROPHENOL	50 UG/L	U	V				
		PHENANTHRENE	10 UG/L	U	V				
		PHENOL	10 UG/L	U	V				
		PHENOL D5	68 %REC		Z				
		PYRENE	10 UG/L	U	V				
		STYRENE	5 UG/L	U	V				
		TERPHENYL D14	95 %REC		Z				
		TETRACHLOROETHENE	89 UG/L		V	5		1	
		TOLUENE	5 UG/L	U	V	2000		0	
		TOLUENE D8	98 %REC		Z				
		TOTAL XYLENES	5 UG/L	U	V				
		TRICHLOROETHENE	570 UG/L	E	Z	5		1	
		VINYL ACETATE	10 UG/L	U	V				
		VINYL CHLORIDE	10 UG/L	U	V				
		cis 1 3 DICHLOROPROPENE	5 UG/L	U	V				
		o FLUOROPHENOL	75 %REC		Z				
		p BROMODIPHENYL ETHER	10 UG/L	U	V				
		trans 1 3-DICHLOROPROPENE	5 UG/L	U	V				

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S mple N mbe	Sampl Dat	C mpo nd	R s It	Unit Mea	Q al	Vq al	ARAR	# SAM > ARAR
FT10268RG	17 Jun 94	1 1 1 TRICHLOROETHANE		25 UG/L	U	Z	200	0
		1 1 2 2 TETRACHLOROETHANE		25 UG/L	U	Z		
		1 1 2 TRICHLOROETHANE		25 UG/L	U	Z		
		1 1 DICHLOROETHANE		25 UG/L	U	Z	5	0
		1 1 DICHLOROETHENE		24 UG/L	DJ	Z	7	1
		1 2 DICHLOROETHANE D4		87 %REC		Z		
		1 2-DICHLOROETHANE		25 UG/L	U	Z	5	0
		1 2 DICHLOROETHENE		25 UG/L	U	Z		
		1,2 DICHLOROPROPANE		25 UG/L	U	Z		
		2 BUTANONE		110 UG/L	D	Z		
		2 HEXANONE		50 UG/L	U	Z		
		4-METHYL 2 PENTANONE		50 UG/L	U	Z		
		ACETONE		50 UG/L	U	Z		
		BENZENE		25 UG/L	U	Z		
		BROMODICHLOROMETHANE		25 UG/L	U	Z		
		BROMOFLUOROBENZENE		98 %REC		Z		
		BROMOFORM		25 UG/L	U	Z		
		BROMOMETHANE		50 UG/L	U	Z		
		CARBON DISULFIDE		25 UG/L	U	Z		
		CARBON TETRACHLORIDE		25 UG/L	U	Z	5	0
		CHLOROBENZENE		25 UG/L	U	Z		
		CHLOROETHANE		50 UG/L	U	Z		
		CHLOROFORM		25 UG/L	U	Z		
		CHLOROMETHANE		50 UG/L	U	Z		
		DIBROMOCHLOROMETHANE		25 UG/L	U	Z		
		ETHYLBENZENE		25 UG/L	U	Z		
		METHYLENE CHLORIDE		25 UG/L	U	Z	5	0
		STYRENE		25 UG/L	U	Z		
		TETRACHLOROETHENE		130 UG/L	D	Z	5	1
		TOLUENE		25 UG/L	U	Z	2000	0
		TOLUENE D8		95 %REC		Z		
		TOTAL XYLEMES		25 UG/L	U	Z		
		TRICHLOROETHENE		880 UG/L	D	V	5	1
		VINYL ACETATE		50 UG/L	U	Z		
		VINYL CHLORIDE		50 UG/L	U	Z		
		cis 1 3-DICHLOROPROPENE		25 UG/L	U	Z		
		trans 1 3 DICHLOROPROPENE		25 UG/L	U	Z		

Denotes change in detect limit by dilution

FT10268RG	17 Jun 94	1 1 1 TRICHLOROETHANE		6 UG/L		V	200	0
		1 1 2 2 TETRACHLOROETHANE		5 UG/L	U	V		
		1 1 2 TRICHLOROETHANE		5 UG/L	U	V		
		1 1 DICHLOROETHANE		5 UG/L	U	V	5	0
		1 1 DICHLOROETHENE		17 UG/L		V	7	1
		1 2 DICHLOROETHANE D4		91 %REC		Z		
		1 2 4-TRICHLOROBENZENE		10 UG/L	U	V		
		1 2 DICHLOROBENZENE		10 UG/L	U	V		
		1 2 DICHLOROETHANE		5 UG/L	U	V	5	0
		1 2 DICHLOROETHENE		5 UG/L	U	V		
		1 2 DICHLOROPROPANE		5 UG/L	U	V		
		1 3-DICHLOROBENZENE		10 UG/L	U	V		
		1 4-DICHLOROBENZENE		10 UG/L	U	V		
		2 4 5-TRICHLOROPHENOL		50 UG/L	U	V		
		2 4 6-TRIBROMOPHENOL		87 %REC		Z		
		2 4 6 TRICHLOROPHENOL		10 UG/L	U	V		
		2 4-DICHLOROPHENOL		10 UG/L	U	V		
		2 4-DIMETHYLPHENOL		10 UG/L	U	V		
		2 4-DINITROPHENOL		50 UG/L	U	V		
		2 4-DINITROTOLUENE		10 UG/L	U	V		
		2 6 DINITROTOLUENE		10 UG/L	U	V		

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## 881 Collection Well Metals June 1994

Sample Number	Sample Date	Element	Result	Unit Meas	Qual	Vqual	ARAR	SAM > ARAR
FT10268RG	17 Jun 94	ALUMINUM	33 6	UG/L	B	Y	5000	0
		ANTIMONY	14	UG/L	U	Y	60	0
		ARSENIC	1 4	UG/L	B	Y	50	0
		BARIUM	67 3	UG/L	B	Y	1000	0
		BERYLLIUM	1	UG/L	U	Y	100	0
		CADMIUM	3	UG/L	U	Y	10	0
		CALCIUM	98900	UG/L		Y		
		CESIUM	63	UG/L	U	Y		
		CHROMIUM	2 9	UG/L	B	Y	50	0
		COBALT	2	UG/L	U	Y		
		COPPER	1 3	UG/L	B	Y	200	0
		IRON	108	UG/L		Y	300	0
		LEAD	1	UG/L	U	Y	50	0
		LITHIUM	25 3	UG/L	B	Y	2500	0
		MAGNESIUM	33000	UG/L		Y		
		MANGANESE	17 8	UG/L		Y	50	0
		MERCURY	0 2	UG/L	U	Y	2	0
		MOLYBDENUM	12 5	UG/L	B	Y	100	0
		NICKEL	6	UG/L	U	Y	200	0
		POTASSIUM	6710	UG/L		Y		
		SELENIUM	381	UG/L		Y	10	1
		SILICON	8680	UG/L		Y		
		SILVER	2	UG/L	U	Y	50	0
		SODIUM	131000	UG/L		Y		
		STRONTIUM	1160	UG/L		Y		
		THALLIUM	1	UG/L	U	Y	10	0
		TIN	10	UG/L	U	Y		
		VANADIUM	12	UG/L	B	Y	100	0
		ZINC	246	UG/L	E	Y	2000	0

## 881 Collection Well Water Quality April June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10268RG	17 Jun 94	4,4 DDD	0.1	UG/L	Y	Y		
		4,4 DDE	0.1	UG/L	U	U		
		4,4 DDT	0.1	UG/L	U	U		
		ALDRIN	0.05	UG/L	U	U		
		AROCLOR 1016	0.5	UG/L	U	U		
		AROCLOR 1221	0.5	UG/L	U	U		
		AROCLOR 1232	0.5	UG/L	U	U		
		AROCLOR 1242	0.5	UG/L	U	U		
		AROCLOR 1248	0.5	UG/L	U	U		
		AROCLOR 1254	1	UG/L	U	U		
		AROCLOR 1260	1	UG/L	U	U		
		BICARBONATE AS CACO3	230	MG/L	U	U		
		CARBONATE AS CACO3	1	MG/L	U	U		
		CHLORIDE	170	MG/L	U	U		
		DI BUTYLCHLORENDATE	78	%REC	U	U		
		DIELDRIN	0.1	UG/L	U	U		
		ENDOSULFAN I	0.05	UG/L	U	U		
		ENDOSULFAN II	0.1	UG/L	U	U		
		ENDOSULFAN SULFATE	0.1	UG/L	U	U		
		ENDRIN	0.1	UG/L	U	U		
		ENDRIN ALDEHYDE			U	U		
		ENDRIN KETONE	0.1	UG/L	U	U		
		FLUORIDE	1.4	MG/L	U	U		
		HEPTACHLOR	0.05	UG/L	U	U		
		HEPTACHLOR EPOXIDE	0.05	UG/L	U	U		
		METHOXYPHOR	0.5	UG/L	U	U		
		NITRATE/NITRITE	4.4	MG/L	U	U		
		NITRATE/NITRITE	4.4	MG/L	U	U		
		SULFATE	170	MG/L	U	U		
		TOTAL DISSOLVED SOLIDS	890	MG/L	U	U		
		TOTAL SUSPENDED SOLIDS	4	MG/L	U	U		
		TOXAPHENE	1	UG/L	U	U		
		alpha BHC	0.05	UG/L	U	U		
		alpha-CHLORDANE	0.5	UG/L	U	U		
		beta BHC	0.05	UG/L	U	U		
		della BHC	0.05	UG/L	U	U		
		gamma BHC (LINDANE)	0.05	UG/L	U	U		
		gamma-CHLORDANE	0.5	UG/L	U	U		

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## 891 UV Influent Metals April June 1994

Sample Number	Sample Date	Element	Result	Unit Meas	Qual	Vqual	ARAR	SAM > ARAR
FT10212RG	20 Apr 94	SODIUM	49600	UG/L		V		
		STRONTIUM	653	UG/L		V		
		THALLIUM	1	UG/L	U	V	10	0
		TIN	10	UG/L	U	V		
		VANADIUM	41	UG/L	U	JA	100	0
		ZINC	692	UG/L		V	2000	0
FT10241RG	10-May 94	ALUMINUM	18	UG/L	B	Y	5000	0
		ANTIMONY	14	UG/L	U	Y	60	0
		ARSENIC	29	UG/L	B	Y	50	0
		BARIUM	161	UG/L	B	Y	1000	0
		BERYLLIUM	1	UG/L	U	Y	100	0
		CADMIUM	3	UG/L	U	Y	10	0
		CALCIUM	95000	UG/L		Y		
		CESIUM	63	UG/L	U	Y		
		CHROMIUM	2	UG/L	U	Y	50	0
		COBALT	2	UG/L	U	Y		
		COPPER	1	UG/L	U	Y	200	0
		IRON	319	UG/L	B	Y	300	0
		LEAD	1	UG/L	U	Y	50	0
		LITHIUM	122	UG/L	B	Y	2500	0
		MAGNESIUM	21100	UG/L		Y		
		MANGANESE	1	UG/L	U	Y	50	0
		MERCURY	02	UG/L	U	Y	2	0
		MOLYBDENUM	3	UG/L	U	Y	100	0
		NICKEL	6	UG/L	U	Y	200	0
		POTASSIUM	2350	UG/L	B	Y		
		SELENIUM	5	UG/L		Y	10	0
		SILICON	6030	UG/L		Y		
		SILVER	2	UG/L	U	Y	50	0
		SODIUM	50000	UG/L		Y		
		STRONTIUM	649	UG/L		Y		
		THALLIUM	2	UG/L	UWN	Y	10	0
		TIN	10	UG/L	U	Y		
		VANADIUM	2	UG/L	U	Y	100	0
		ZINC	299	UG/L		Y	2000	0
FT10260RG	8 Jun 94	ALUMINUM	234	UG/L	U	JA	5000	0
		ANTIMONY	14	UG/L	U	V	60	0
		ARSENIC	21	UG/L	B	V	50	0
		BARIUM	167	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMIUM	3	UG/L	U	JA	10	0
		CALCIUM	94600	UG/L		V		
		CESIUM	63	UG/L	U	V		
		CHROMIUM	34	UG/L	U	JA	50	0
		COBALT	2	UG/L	U	V		
		COPPER	22	UG/L	U	JA	200	0
		IRON	899	UG/L	B	V	300	0
		LEAD	1	UG/L	U	V	50	0
		LITHIUM	134	UG/L	B	V	2500	0
		MAGNESIUM	21200	UG/L		V		
		MANGANESE	2	UG/L	B	V	50	0
		MERCURY	02	UG/L	U	V	2	0

## 891 UV Influent Metals April June 1994

Sample Number	Sample Date	Element	Result	Unit Meas	Qual	Vqual	ARAR	SAM > ARAR
FT10260RG	8 Jun 94	MOLYBDENUM	3	UG/L	U	V	100	0
		NICKEL	6	UG/L	U	V	200	0
		POTASSIUM	2570	UG/L	U	JA		
		SELENIUM	5 8	UG/L		V	10	0
		SILICON	6170	UG/L		V		
		SILVER	2	UG/L	U	V	50	0
		SODIUM	53100	UG/L		V		
		STRONTIUM	666	UG/L		V		
		THALLIUM	2	UG/L	U	V	10	0
		TIN	10	UG/L	U	V		
		VANADIUM	2 5	UG/L	U	JA	100	0
		ZINC	35 9	UG/L	E	JA	2000	0

## 891 UV Influent Metals April June 1994

Sample Number	Sample Date	Element	Result	Unit Meas	Qual	Vqual	ARAR	SAM > ARAR
FT10213RG	20-Apr 94	ALUMINUM	34.2	UG/L	U	JA	5000	0
		ANTIMONY	14	UG/L	U	V	60	0
		ARSENIC	2.3	UG/L	B	V	50	0
		BARIUM	164	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMIUM	3	UG/L	U	V	10	0
		CALCIUM	94000	UG/L		V		
		CESIUM	63	UG/L	U	V		
		CHROMIUM	2.3	UG/L	U	JA	50	0
		COBALT	2	UG/L	U	V		
		COPPER	3.3	UG/L	U	JA	200	0
		IRON	43	UG/L	U	JA	300	0
		LEAD	1	UG/L	U	V	50	0
		LITHIUM	12.8	UG/L	B	V	2500	0
		MAGNESIUM	20500	UG/L		V		
		MANGANESE	1.6	UG/L	U	JA	50	0
		MERCURY	0.2	UG/L	U	V	2	0
		MOLYBDENUM	3.7	UG/L	U	JA	100	0
		NICKEL	6	UG/L	U	V	200	0
		POTASSIUM	3150	UG/L	B	V		
		SELENIUM	4.5	UG/L	B	V	10	0
		SILICON	6010	UG/L		V		
		SILVER	2	UG/L	U	V	50	0
		SODIUM	49900	UG/L		V		
		STRONTIUM	662	UG/L		V		
		THALLIUM	1	UG/L	U	V	10	0
		TIN	10	UG/L	U	V		
		VANADIUM	4.3	UG/L	U	JA	100	0
		ZINC	56.5	UG/L		V	2000	0
FT10212RG	20-Apr 94	ALUMINUM	42.7	UG/L	U	JA	5000	0
		ANTIMONY	14	UG/L	U	V	60	0
		ARSENIC	3	UG/L	B	V	50	0
		BARIUM	162	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMIUM	3	UG/L	U	V	10	0
		CALCIUM	93200	UG/L		V		
		CESIUM	63	UG/L	U	V		
		CHROMIUM	3.8	UG/L	U	JA	50	0
		COBALT	2	UG/L	U	V		
		COPPER	5.5	UG/L	U	JA	200	0
		IRON	56.8	UG/L	U	JA	300	0
		LEAD	1	UG/L	UW	V	50	0
		LITHIUM	12.3	UG/L	B	V	2500	0
		MAGNESIUM	20300	UG/L		V		
		MANGANESE	2	UG/L	U	JA	50	0
		MERCURY	0.2	UG/L	U	V	2	0
		MOLYBDENUM	4.7	UG/L	U	JA	100	0
		NICKEL	6	UG/L	B	V	200	0
		POTASSIUM	3180	UG/L	B	V		
		SELENIUM	5.9	UG/L		V	10	0
		SILICON	5910	UG/L		V		
		SILVER	2	UG/L	U	V	50	0

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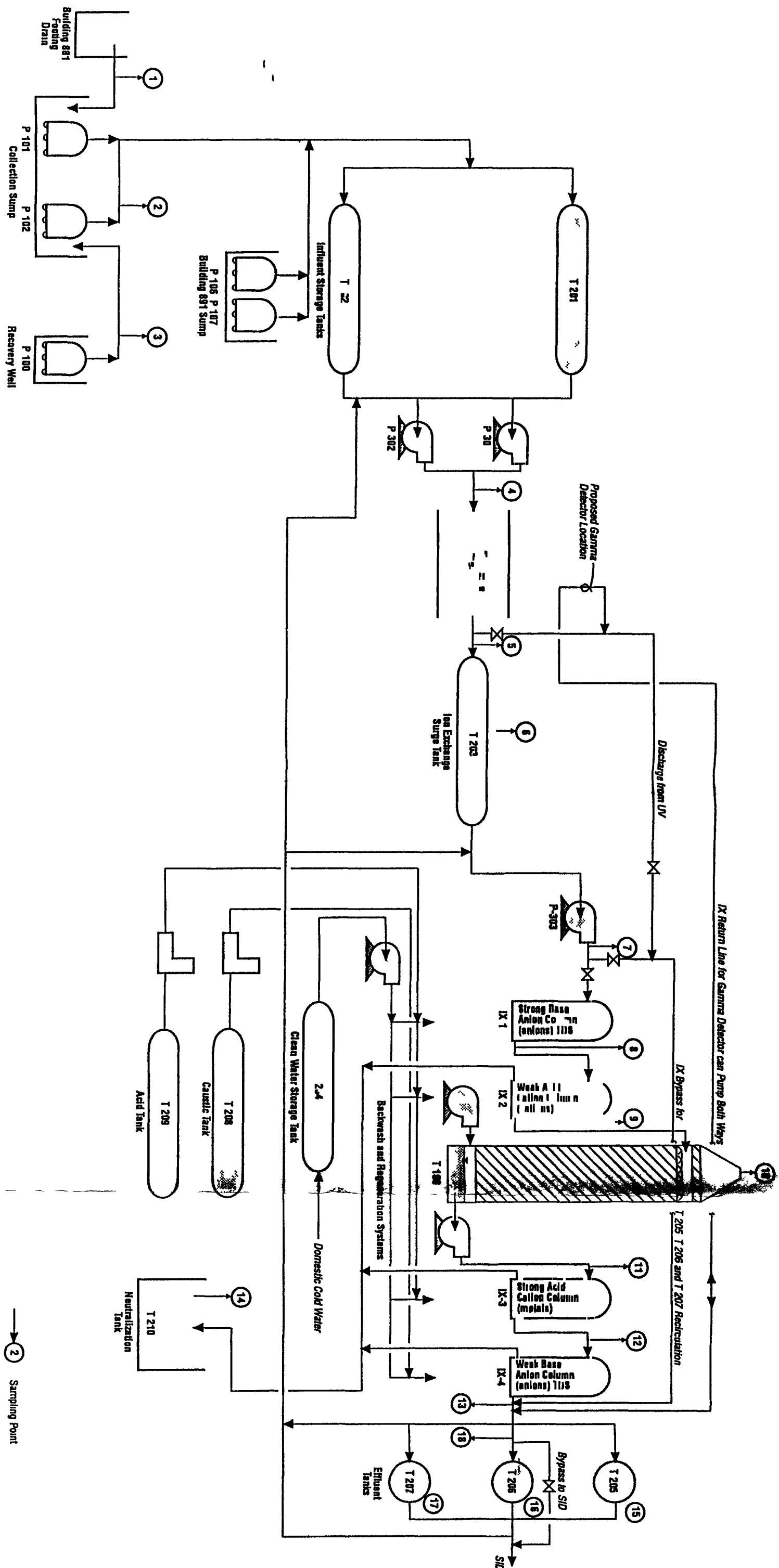


FIGURE 101

# Rocky Flats OU1 July – September 1994 Water Level Map

U S Department of Energy  
Rocky Flats Plant 748600

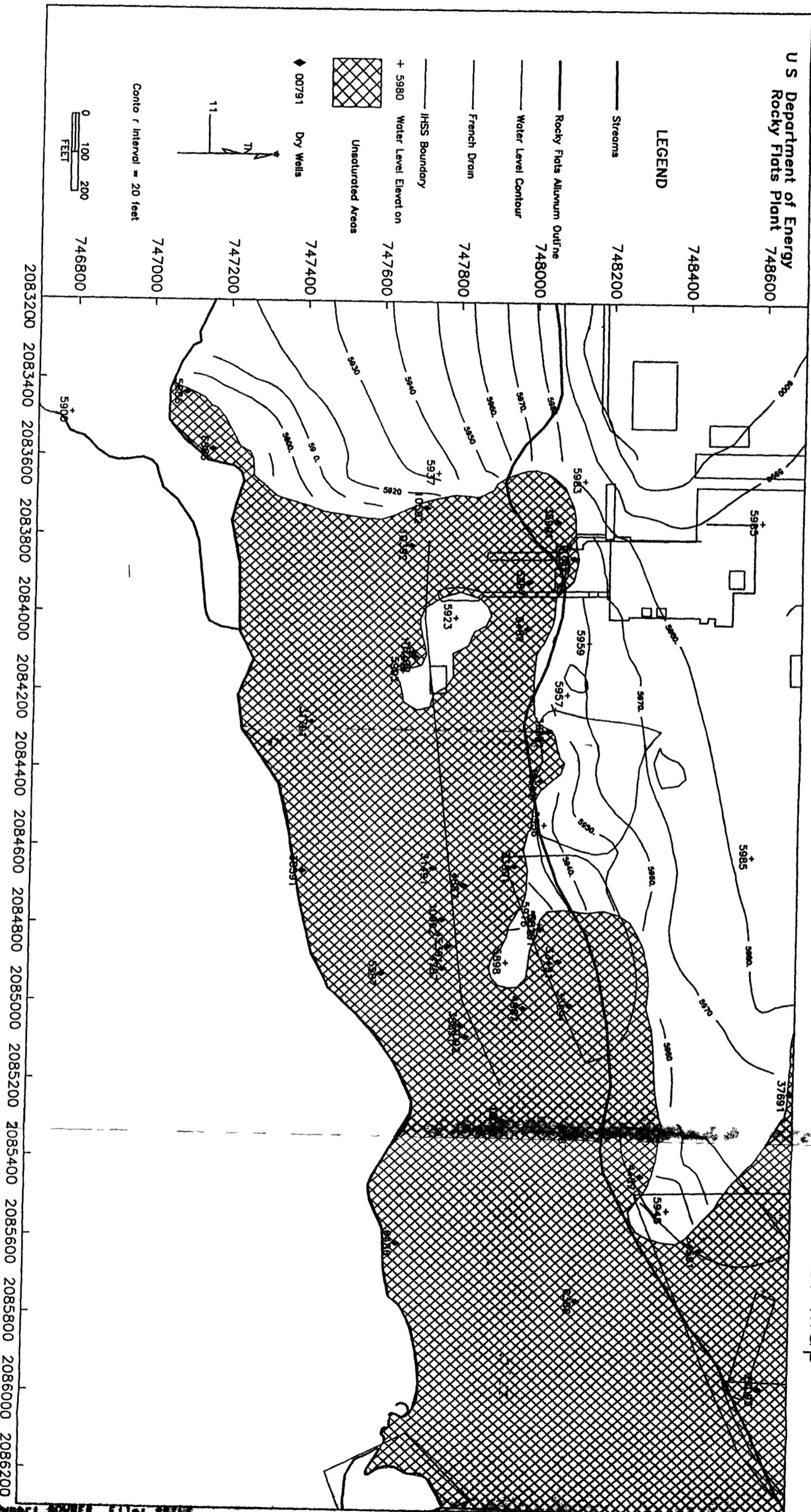


FIGURE 911